



Prepare + Prevent + Respond + Recover + Mitigate

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Analyzing Risks + Threats + Hazards + Capabilities

Workshop



Prepare + Prevent + Respond + Recover + Mitigate

WELCOME + Introductions



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AGENDA

Risk Assessment: Overview

Risk Survey SAMPLE Questionnaire

- Utilize “whole community” partners . . . everyone here today.
- Parish-level *Risk Survey* – questionnaire – is due to GOHSEP: **September 30, 2013**.
- 2013 grant funding is dependent on **submission of the *Risk Survey***.



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AGENDA

Threat + Hazard Identification + Risk Assessment (THIRA) – *State Preparedness Report (SPR)*

- Information gathered from the Parish-level *Risk Survey* (questionnaire) is used to **develop** the State's THIRA and SPR.

BREAK (15 min)



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AGENDA

Capabilities Estimation identifies:

- Required capabilities/resources **needed** to respond + recover from various emergency events.
- Capabilities/resources **on hand** within the Parish, Region or State.
- Capabilities/resources **gaps** within the Parish, Region or State.



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AGENDA

What Value Do These Products Bring to Your Parish?

- Implementing the outcome of these efforts, will enhance our State's response + recovery efforts.

LUNCH (1 ½ hours)



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AGENDA

Practical Exercise

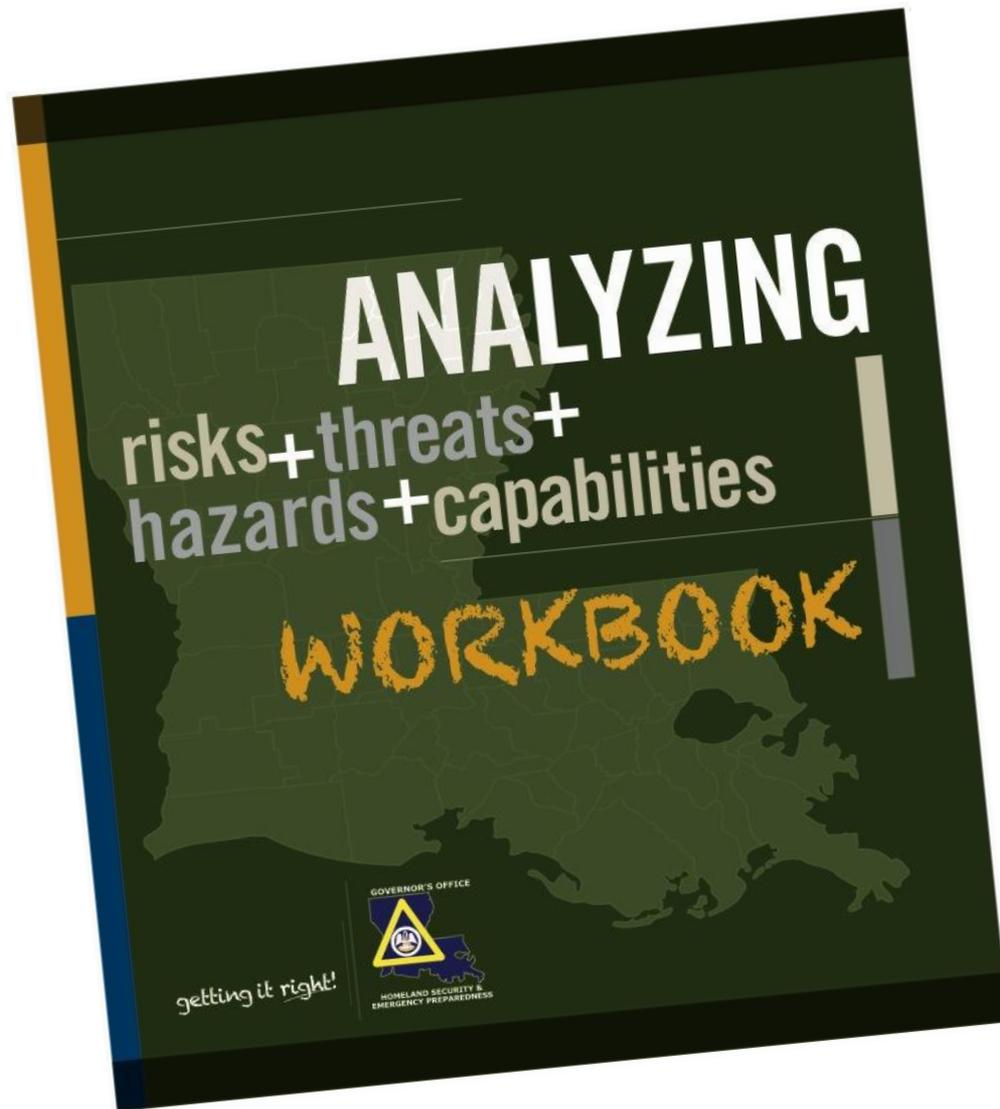
- Core Capability Resource Requirements.
- Class will break out into **5** Groups.
- All workshop participants are welcome to attend.

Report Out from Teams

Wrap Up + Call-to-Action



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ANALYZING

risks+threats+
hazards+capabilities

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ANALYZING risks+threats+ hazards+ capabilities

Risk Assessment SAMPLE Questionnaire

Overview + Purpose
NOTES

INTRODUCTION
Risk is a function of **consequence, vulnerability and threat**. This briefing is to share information on **risk elements, the sources of risk and how statistical analysis affects Federal grant awards.**

WHAT IS A THREAT?

WHAT IS A HAZARD?

REPEAT, PREVE

WHAT IS A THREAT?



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ANALYZING

risks+threats+ hazards+capabilities

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ANALYZING risks+threats+hazards+capabilities

2013 Louisiana Risk Survey

SAMPLE

THE FOLLOWING IS A SAMPLING OF THE LOUISIANA RISK SURVEY QUESTIONS THAT INFORM THE DEVELOPMENT OF THE 2013 LOUISIANA RISK ASSESSMENT. THERE WILL BE CHANGES BEFORE PUBLICATION, AUGUST 2013, IN WebEOC®.

QUESTION	RESPONSE
How many declarations Have Been Made in Your Parish from 2008	
Miles:	
That Have 50,000+ Attendees	
That Have 10,000 - 50,000	
That Have 500 - 10,000 Attendees	
of Parish in 2012 or Latest Reported Year	
ACAMS for Parish:	
List:	
Installations in Parish (Active, Reserve, or Decommissioned)	
Facilities at Installations in Parish:	
Industrial Base (DIB) Facilities in the Parish:	
Systems:	
in Parish:	
by in Parish:	
lines in Parish:	
Facilities (Refineries, Pipelines, Storage Areas):	
Nuclear or Radioactive Material centers:	
or Resorts (500+ Occupants):	
with IDR Capacity:	
Buildings (500+ Occupants):	
Station Stations Not Nuclear:	
ports:	

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ANALYZING risks+threats+hazards+capabilities

2013 Risk Assessment Briefing Guide

Executive Summary

17

PURPOSE
The elements of Risk Assessments and analysis of the data have a direct effect on the amount of U.S. (S) grants. Risk and capabilities. Solutions, being received and key

RISK
Risk is assessed from any scenario as a function of consequence, vulnerability and threat: $R = f(C,V,T)$. In other words, risk is influenced by the nature and magnitude of overall threat (man-made, technological and hazards), the vulnerabilities to any element of threat and the consequences that could result. It is defined as the potential for an unwanted outcome resulting from an incident, event or occurrence, as determined by its likelihood, vulnerabilities involved and the associated consequences.

LOUISIANA RISK FORMULA + DHS FORMULA
The Louisiana Risk Formula mirrors the DHS formula. Both define total risk as a functional relationship and percentages of threat, vulnerability and consequence.

- Threat data is derived from historical data, suspicious activity reports and official use information.
- Vulnerability data is weighted equally from targeted infrastructure sectors/subsectors as determined from current intelligence and an international border index that consists

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2013 Louisiana Risk Survey

2013 Louisiana Risk Survey

ANALYZING risks + threats + hazards + capabilities

SAMPLE

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QUESTION	RESPONSE
How many Emergency Declarations Have Been Made in Your Parish from 2008 to the end of 2012?	
Parish Population:	
Parish Size - # of Square Miles:	
Number of Annual Visitors:	
Number of Annual Events That Have 50,000+ Attendees:	
Number of Annual Events That Have 10,000 - 50,000 Attendees:	
Number of Annual Events That Have 500 - 10,000 Attendees:	
Value of Domestic Product of Parish in 2012 or Latest Reported Year:	
Number of CIKR listed in ACAMS for Parish:	
Number of CIKR on State List:	
Number of Military Installations in Parish (Active, Reserve, National Guard and Recruiting Stations):	
Number of Military Personnel at Installations in Parish (Active, Reserve, National Guard and Recruiting Stations):	
Number of Defense Industrial Base (DIB) Facilities in the Parish:	
Number of Airports:	
Number of Mass Transit Systems:	
Miles of Major Rail Lines in Parish:	
Miles of Interstate Highway in Parish:	
Miles of Transportation Routes in Parish:	
Number of Oil/Natural Gas Facilities (Refineries, Pipelines, Storage Areas):	

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Parish Population:

Parish Size - # of Square Miles:

Number of Annual Visitors:

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ANALYZING

risks+threats+ hazards+capabilities

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31 Core Capabilities

Planning	Access Control + Identity Verification	Long-term Vulnerability Reduction	On-scene Security + Protection
Public Information + Warning	Cybersecurity	Risk + Disaster Resilience Assessment	Operational Communications
Operational Coordination	Physical Protective Measures	Threats + Hazard Identification	Public and Private Services + Resources
	Risk Management for Protection Programs + Activities	Critical Transportation	Public Health + Medical Services
	Supply Chain Integrity + Security	Environmental Response/Health + Safety	Situational Assessment
	Community Resilience	Fatality Management Services	Economic Recovery
		Infrastructure Systems	Health + Social Services
		Mass Care Services	Housing
		Mass Search + Rescue Operations	Natural + Cultural Resources

ANALYZING risks + threats + hazards + capabilities

73 Practical Exercise Worksheets

REHEARSAL OF CONCEPTS (ROC) DRILL IN CARYVILLE.

GQHSEP has designed this exercise to assist participants in utilizing some of the basic concepts from the Threat + Hazard Identification + Risk Assessment (THIRA), State Preparedness Report (SPR) and Capability Assessment. It is sometimes difficult to understand the practical application of these doctrines without a hands-on approach. Participants should leave with a clear understanding of how this doctrine can improve our prevention, preparedness, response, mitigation and recovery efforts in Louisiana.

The following **worksheets** are to be used for assistance in the **hands-on exercise**. Working through Step 1 of the Capability Estimation provides workshop participants an opportunity to gain **familiarity** with the **Capability Estimation tool** and how it correlates with the **SPR** and **THIRA**. This exercise provides an opportunity for participants to **receive Emergency Management Performance Grant (EMPG) Exercise Credit**.

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ANALYZING risks + threats + hazards + capabilities

CAPABILITY	Operational Communications		
DESIRED OUTCOME	Sustain and enhance all voice and data com as they activate and deploy forward, whether affected communities in support of operational awareness.		
TARGET	Strengthen the capability to establish com have experienced a disruption of commu		
STATE PREPAREDNESS REPORT (SPR)			
PLANNING	ORGANIZATION	EQUIPMENT	
5	4	3	
REQUIRED RESOURCES			

ANALYZING risks + threats + hazards + capabilities

CAPABILITY	Environmental Response/Health + Safety				
DESIRED OUTCOME	In collaboration with Emergency Support Function (ESF) partners, provide both guidance and resources to address environmental issues/health and safety issues during a disaster response. This includes the proper handling of oil and hazardous materials resulting from an accidental or Chemical, Biological, Radiological, Nuclear and Explosives (CBRNE)/terrorism event which can impact responders and affected community members as well as the environment.				
TARGET	Maintain capabilities to prepare and respond to environmental incidents occurring in offshore, coastal and inland environments.				
STATE PREPAREDNESS REPORT (SPR) TOTALS (1 – 6)					
PLANNING	ORGANIZATION	EQUIPMENT	TRAINING	EXERCISE	
5	5	5	5	5	
REQUIRED RESOURCES					

ANALYZING risks + threats + hazards + capabilities

and execute an **all-hazard plan** as required, and a Continuity of Operations Plan (COOP)/Continuity of Government (COG) plan, for all critical functions. Conduct a systematic process of engaging the whole community, and participate, in the development of **executable strategic, operational and/or community-based approaches** to meet defined objectives.

the following: An all-hazards based Emergency Operations Plan, Incident Action Plan and COOP/COG plans for governmental agencies.

STATE PREPAREDNESS REPORT (SPR) TOTALS (1 – 6)			
PLANNING	ORGANIZATION	TRAINING	EXERCISE
	6	3	4
REQUIRED RESOURCES			

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PREPARE. PREVENT. RESPOND. RECOVER. MITIGATE.

CAPABILITY

Operational Communications



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Comment Card

PREPARE. PREVENT. RESPOND. RECOVER. MITIGATE.

1. Which **workshop location** did you attend?

- Bidell
- Alexandria
- Ruston
- Baton Rouge
- Crowley

2. How would you best **describe your role**?

- State Agency Representative
- GOHSEP
- Parish Elected Official
- Parish Administrative

3. Have you been **exposed in the past** to any of the following (Please check all that are appropriate)

- Capability Estimations
- Threat and Hazard Identification and Risk Assessment (THIRA)
- Risk Assessments
- Emergency Operations Planning

4. Prior to the workshop, how **familiar** were you with the concepts and requirements of Risk Assessment, THIRA, SPR and preparing a Capability Estimation?

5. How **complicated** or **time consuming** do you find THIRA, capability estimating and other requirements covered during the workshop?

- Not at all complicated or time consuming
- Somewhat complicated or time consuming
- Neutral
- Complicated or time consuming
- Very complicated or time consuming

6. Do you feel this workshop helped with your understanding of **requirements** and what is

1. Which **workshop location** did you attend?

- Fire
- Emergency Medical Services (EMS)
- Private Industry Representative
- of _____
- Other _____

... AND MORE

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Risk Assessment



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ANALYZING

risks+threats+ hazards+capabilities

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Risk Assessment SAMPLE Questionnaire

Overview + Purpose + NOT

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2013 Louisiana Risk Survey

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WHAT IS A HAZARD

WHAT IS A RISK

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Executive Summary

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Resources (CIR) Risk Management. To assess risk and to make the needed relative prioritizations, common definitions, scenarios, assumptions, metrics and processes are needed to ensure that risk assessments contribute to a shared understanding among all partners. This briefing guide is meant to explain the idiosyncrasies and semantics of DHS Risk Assessment and FEMA's THIRA so that both the Louisiana Risk Survey and THIRA can be better understood. Louisiana Risk Survey is a WebEOC[®]-based survey that gathers objective and subjective risk information along with State Preparedness Report (SPR) and National Incident Management System (NIMS) data.

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THIRA - SPR Capability Evaluation Relationship to Funding Activities Practical Exercise Call to Action

RESPON

Have Been Made in Your Parish from 2008

50,000+ Attend	
10,000 - 50,000	
500 - 10,000 A	
2012 or Latest F	
Parish:	
Parish (Active, Res	
Illations in Par	
(B) Facilities in the Parish:	
ish:	
Refineries, Pipelines, Storage Areas:	
Radioactive Material centered:	
00+ Occupants:	
Capacity:	
0+ Occupants:	
s Not Nuclear:	

THIRA - SPR Capability Evaluation Relationship to Funding Activities Practical Exercise Call to Action

31

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PREPARE. PREVENT. RESPOND. RECOVER. MITIGATE.



Prepare + Prevent + Respond + Recover + Mitigate

- Risk elements.
- Define risk as a function of **consequence** + **vulnerability** + **threat**.
- Information on **sources** and how **statistical analysis affects grants**.



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Threat + Hazard Identification + Risk Assessment (THIRA)

THREAT

- Man-made: intentional or accidental:
 - Terrorism
 - Criminal
 - Hazardous material accident
 - Wild land fire . . .

HAZARD

- Natural occurrence:
 - Storms
 - Floods
 - Etc. . . .

RISK

- Threat
- Vulnerability
- Consequence



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THIRA

- Based on the analysis of:
 - **WebEOC[®] Risk Survey** (questionnaire)
 - **State Hazard Mitigation Plan (SHMP)**
 - **Historical** data on threats + hazards
- Evidence shows which disasters are **prevalent** + which **terrorist threats** could **impact** the Region.



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Critical Infrastructure + Key Resources (CIKR) Risk Assessments

- *National Infrastructure Protection Plan* (NIPP) framework assesses risk as a function of **consequence + vulnerability + threat**:

$$R = f(C, V, T)$$



CIKR Risk Consequence

- **Consequence Assessment:**
 - **Human** impact.
 - **Economic** impact.
 - Impact on **public confidence**.
 - Impact on **government capability**.

$$R = f(C, V, T)$$



CIKR Risk Vulnerability

- Vulnerability assessment identifies:
 - **Characteristics** or **areas of weakness** that render an entity or area **susceptible** to attacks resulting in **consequences** of concern.
 - **Floods** are the **highest risk** for Louisianians.
(SOURCE: *2012 Louisiana Risk Assessment*)

$$R = f(C, V, T)$$



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CIKR Risk Threat

- Threat Assessment:
 - Natural disaster or accident – **probability of occurrence.**
 - Terrorist attack – analysis of **intent + capability** of a defined adversary.

$$R = f(C, V, T)$$



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CIKR Risk Threat

- **Threat Assessment:**
 - Differs from “**threat scenarios,**” or “**threat analysis,**” that are **generalized descriptions** of **potential methods of attack** used to perform Consequence and Vulnerability Assessments.



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Sources

- Threat Assessment areas of consideration:

– **Natural disasters + accidents.**

– **Terrorist types:**
Domestic + international + insider.

– Attack method **most frequently used** overtly by terrorists: **Physical + cyber + sabotage.**



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Threat

- Threat Index considers **known + credible threats to facilities:**
 - **Extremist plots**
 - **Casings**
 - **Threats**
 - **Aspirations**



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Threat

- **Threat Index** considers **terrorist groups + individuals inspired by them + other domestic violent extremists.**
- **Natural Hazards** consider **historical incidents** to establish likelihood.



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Vulnerability

- *Targeted Infrastructure Index*
 - A subset of the CIKR count that represents **assets/systems** within **sectors** that are deemed ones terrorists are **more likely to attack**, including:

- Aviation
- Mass transit

- Commuter rail
- Oil + natural gas facilities (refineries, storage facilities, tankers, and pipelines)

- Large public facilities + venues (hotels, resorts, stadiums and arenas, and large office buildings)



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Vulnerability

- ***State Targeted Infrastructure Index***
 - **Public health issues** (hospital, medical, biological, technical).
 - **Agricultural industry + food production.**



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Vulnerability

- *Border Index*
 - Jurisdictions that **border the Gulf of Mexico** (International Water).
 - Annual number of border crossings into the Parish/State – Customs and Border Protection (CBP).



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Consequence

- *Population Index*

- The total **“P”opulation** (Census population + visitors + commuters) for **each Census block group** in the State, multiplied by the **“p”opulation density**, aggregated to the State level.

$$\text{Density} = \frac{\text{POPULATION}}{\text{Area in Square Miles}}$$



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Consequence

- *“P”opulation Index – “p”opulation*
 - Represents the resident (night-time) **“p”opulation** based on **2010 Census Bureau** data.
- *“P”opulation Index – Visitors + Commuters*
 - Calculated as the number of **net visitors + commuters** into each Parish.



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Consequence

- *Economic Index*
 - Annual estimate of Parish **Gross Domestic Product (GDP)**.
- *Infrastructure Index*
 - **Count of CIKR assets/systems** in the Parish on the State list + **Automated Critical Asset Management System (ACAMS)**.



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Consequence

- *Security Index*

- Number of U.S. military personnel **stationed** at installations in the Parish including:

- Active duty
- Reserve
- Guard troops

- Civilian personnel
- Full-time contractors



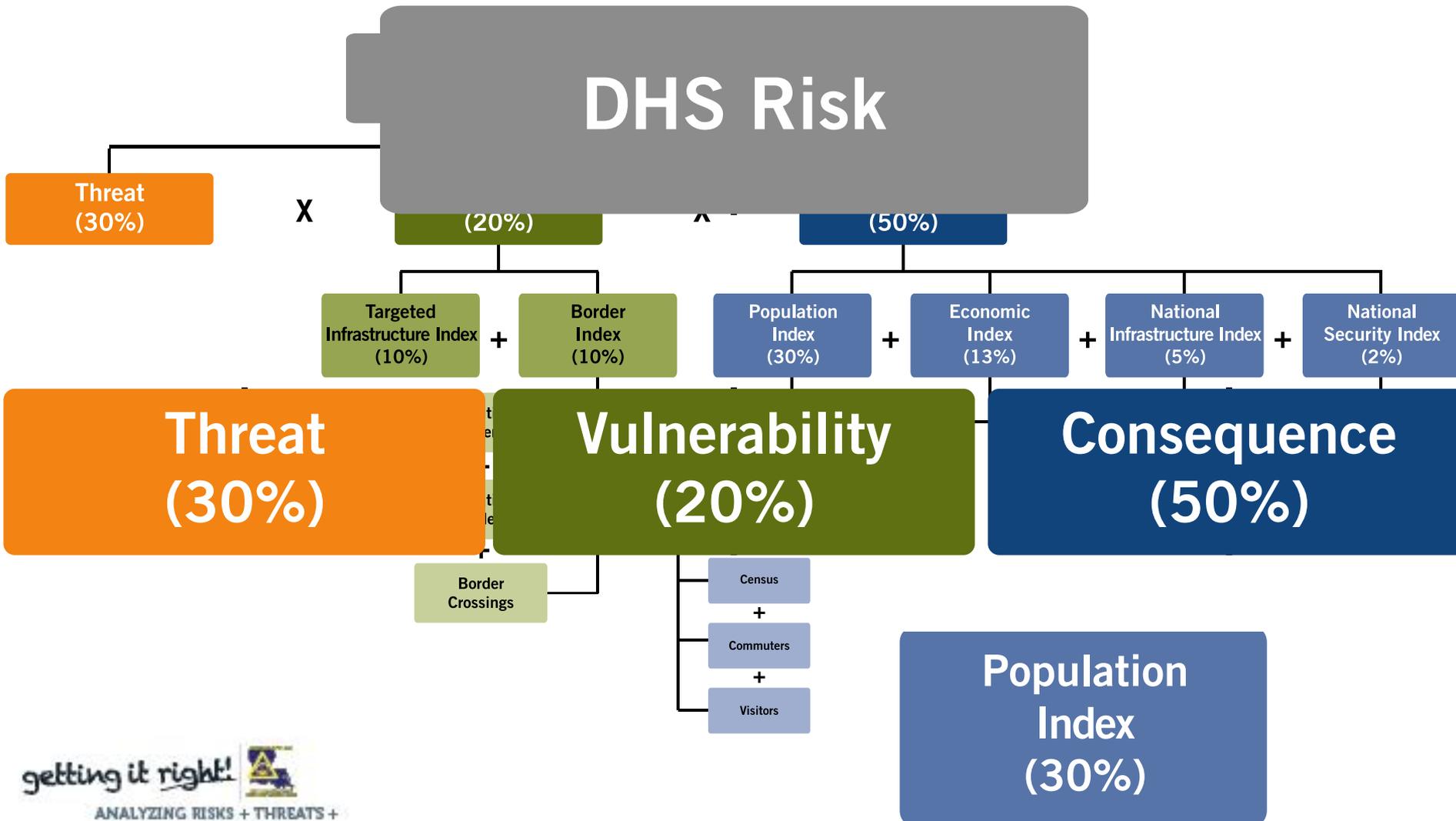
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Consequence

- *Security Index*
 - All **Defense Industrial Base (DIB) facilities** (i.e., critical civilian companies that support the military mission) located in the Parish.



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You need to know:

- *Risk Survey* (questionnaire) is up on WebEOC® **NOW!**
 - Parish OHSEP Director **MUST** complete it by **September 30, 2013.**
 - It's **everybody's responsibility** to help them complete it by providing needed information.
- Your participation ensures:
 - **YOUR** *continued* grant eligibility AND. . .
 - A stronger, safer Louisiana.



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- When **completing** the *Risk Survey*, reach out to:
 - **“Whole community” partners** such as . . .
 - Chambers of Commerce
 - Tourism Office
 - Economic Development Office
 - Planning Commissions
 - Law Enforcement
 - Healthcare Community
 - School Boards/Schools
 - Private Industry
 - **And MORE!**



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GOHSEP

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Threat + Hazard Identification + Risk Assessment (THIRA) - State Preparedness Report (SPR)



Threats + Hazards Identification + Risk Assessment (THIRA)

- Comprehensive approach for identifying risks + associated impacts . . .
 - **31 Core Capabilities** defined in the *National Preparedness Goal*.
- *State Preparedness Report (SPR)* assesses current preparedness levels against **Capability Targets** set in the THIRA.



THIRA

“ . . . methodologies exist to understand, qualify and quantify risk.

These methodologies most often focus on a single threat or hazard type and a **small area** or **fixed facility assessment** to geographic areas as large as cities and states and the full spectrum of threats and hazards.

The specificity gained by **complex probabilistic modeling** and analysis is **lost** when trying to apply the results across complex landscape of prevention, protection, mitigation, response and recover . . . ”



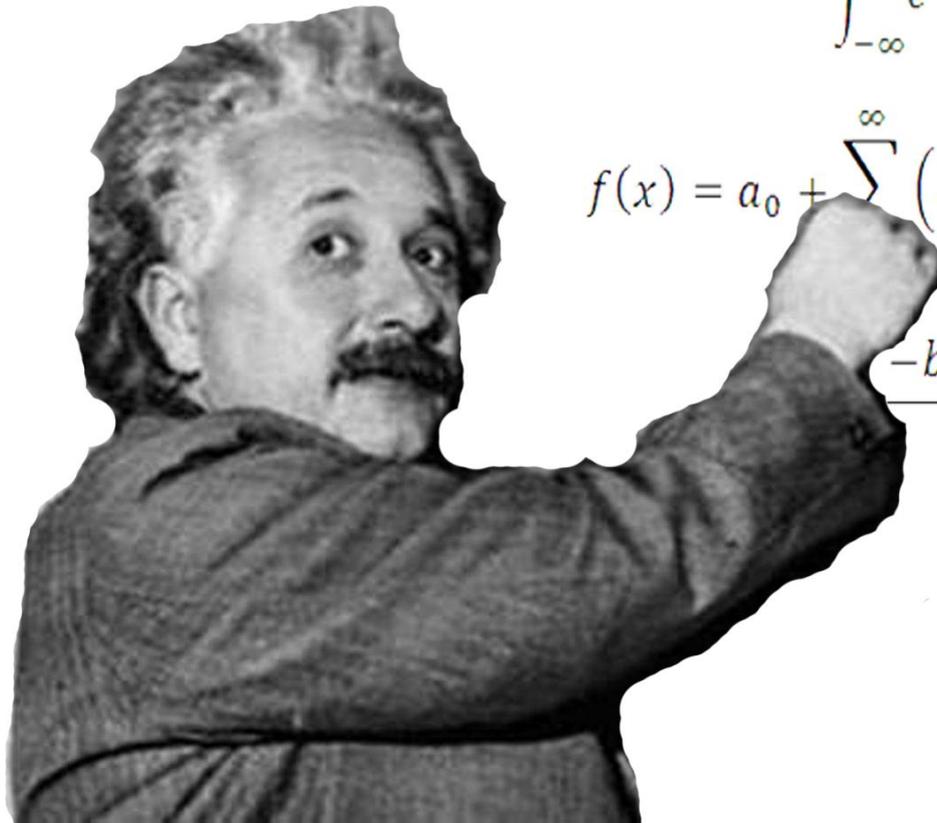
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In other words:

$$\int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi}$$

$$f(x) = a_0 + \sum_{n=1}^{\infty} \left(a_n \cos \frac{n\pi x}{L} + b_n \sin \frac{n\pi x}{L} \right)$$

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$





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$$1 + 1 = 2$$

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ANALYZING RISKS + THREATS +
HAZARDS + CAPABILITIES



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THIRA

- What **is** it?
- What does it **do**?
- How can I **use** it?





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5-Step Process

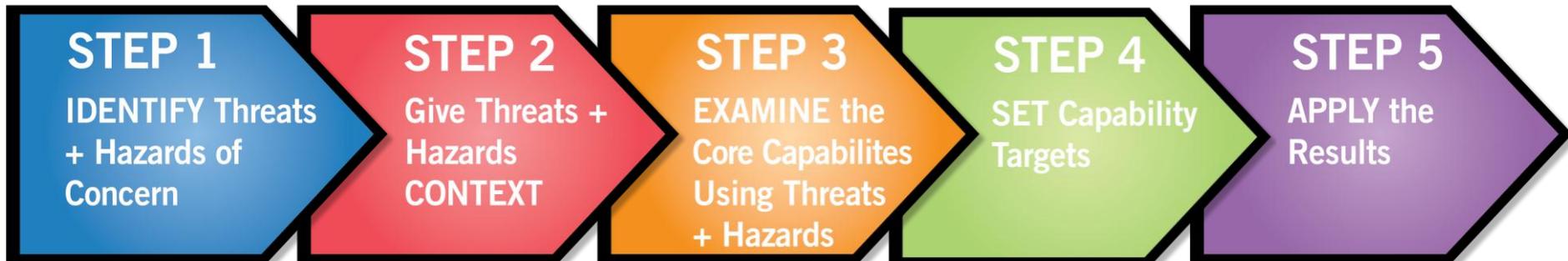
SOURCE: FEMA Comprehensive Planning Guide 201



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Components

- 1. Threats + Hazards**
- 2. Give Threats + Hazards Context**
- 3. Core Capabilities + Desired Outcomes**
- 4. Estimated Impacts + Capability Targets**
- 5. Apply Results**





Threats + Hazards



STEP 1

- **Identification + Determination**
 - WebEOC[®] *Risk Survey* (questionnaire)
 - *State Hazard Mitigation Plan (SHMP)*
 - Historical data on **threats + hazards**



Threats + Hazards



STEP 2

- **Provide** context.
 - Apply to real-life situations.
 - Low probability/High consequence.



Core Capabilities

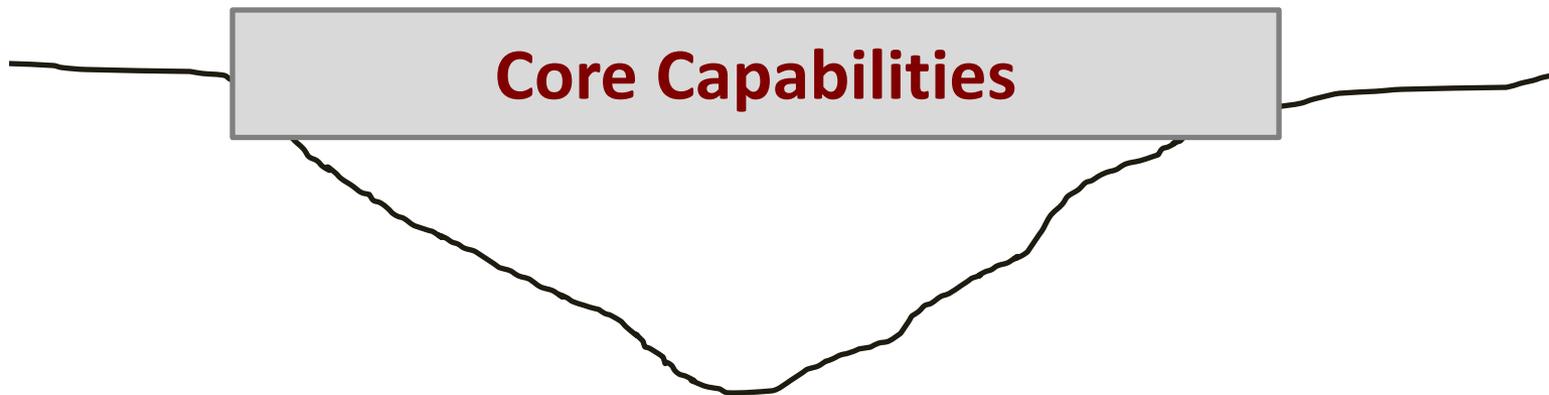


PREVENTION	PROTECTION	MITIGATION	RESPONSE	RECOVERY
		Planning		
		Public Information and Warning		
		Planning		
<ul style="list-style-type: none"> Forensics and Attribution Intelligence and Information Interdiction and Disruption Screening and Detection 	<ul style="list-style-type: none"> Access Control and Identity Verification Cybersecurity 	<ul style="list-style-type: none"> Long-term vulnerability Reduction 	<ul style="list-style-type: none"> Transportation Environmental Response/Health and Safety 	<ul style="list-style-type: none"> Economic Recovery Health and Social Services Housing Infrastructure Systems Natural and Cultural Resources
	Measures		Operations	
	<ul style="list-style-type: none"> Risk Management for Protection Activities Screening and Detection Supply Chain Integrity and Security 		<ul style="list-style-type: none"> On-scene Security and Public Health and Medical Services Situational Assessment 	
Public Information + Warning				
Operational Coordination				



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Core Capabilities





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Desired Outcomes

- **End state** of the **Core Capability**.
 - What is it you want to **accomplish**?
 - **Simple** or **complex**.



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Desired Outcomes

Point A



Core Capabilities

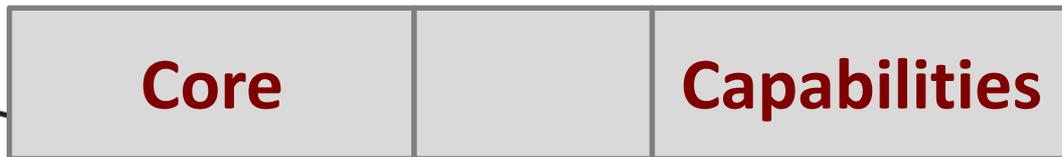
Point B



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Estimated Impacts

Point **A**



Point **B**



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Estimated Impacts

- What is the **greatest impact** that could **hinder** your ability to attain your **goal**?

Capability Targets + Desired Outcomes

STEP 4

Point A



Point B



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Mass Care Services Worksheet

Capability Target: Within 24 hours of Greatest Estimated Impacts: 1,500 residents needing evacuation assistance and sheltering.

Sheltering for up to 1,500 residents.

Capability Target: Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.



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Mass Care Services

Flood

1,500 Residents Displaced

Evacuate + Shelter 1,500 Residents

1

2

3

4

Core Capability

-

Threats Hazards

X

Impacts

+

Capability Targets

5

Provide life-sustaining services

=>

Desired Outcomes

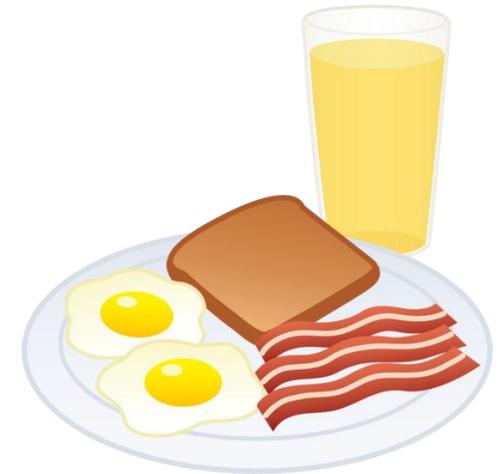


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THIRA

BREAKFAST

- **Core Capability:**
 - Serve breakfast to your family on Saturday morning.
 - **Desired Outcome:**
 - Provide a **wholesome + nutritious** meal.
- **Threat or Hazard:**
 - No food in the pantry.





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THIRA

- **Estimated Impact:**
 - Your kids go hungry.
- **Capability Target:**
 - *Have a plan in place to shop for groceries by Friday night.*



THIRA: Apply Results



STEP 5

- Building **planning scenarios**.
- Utilizing for **exercises + training + equipment**.
- Information contributes to ***State Preparedness Report (SPR)***.



Prepare + Prevent + Respond + Recover + Mitigate

State Preparedness Report (SPR)

- Assesses **current** preparedness levels by **Core Capability** against **Capability Targets**.



Prepare + Prevent + Respond + Recover + Mitigate

State Preparedness Report (SPR)

- Quantitatively **assesses** preparedness levels in each of the 5 Capability Elements:

- **Planning**
- **Organization**
- **Equipment**
- **Training**
- **Exercise**

Capability		
	Planning	3
Mass Care Services	Organization	3
	Equipment	4
	Training	3
	Exercise	3



State Preparedness Report (SPR)

- **Initial score** considers . . .
 - What **resources** you **have** within your **community**.
- A **second** assessment score is determined by . . .
 - What you can **borrow** through **Mutual Aid Agreements (MAAs)** that **increase** preparedness.



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State Preparedness Report (SPR)

- **Qualitative** context is provided:
 - Specifies **resources needed** to eliminate capability gaps.
 - Describes **MAAs**.



Prepare + Prevent + Respond + Recover + Mitigate

State Preparedness Report (SPR)

- Briefly describes **degree** to which communities **rely on resources** from **higher levels** (State + Federal) of government.





Prepare + Prevent + Respond + Recover + Mitigate

State Preparedness Report (SPR)

- Assigns a **priority** to each **Core Capability**.





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Your Contribution

- Parish OHSEP Director completes *Risk Survey* (questionnaire).
 - National Incident Management System (NIMS) implementation.
- **Provide information** for State THIRA + SPR.



Prepare + Prevent + Respond + Recover + Mitigate



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Prepare + Prevent + Respond + Recover + Mitigate

Questions?



Prepare + Prevent + Respond + Recover + Mitigate

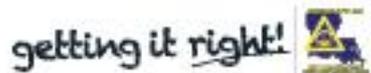
Break (15 min)



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Capability Estimation

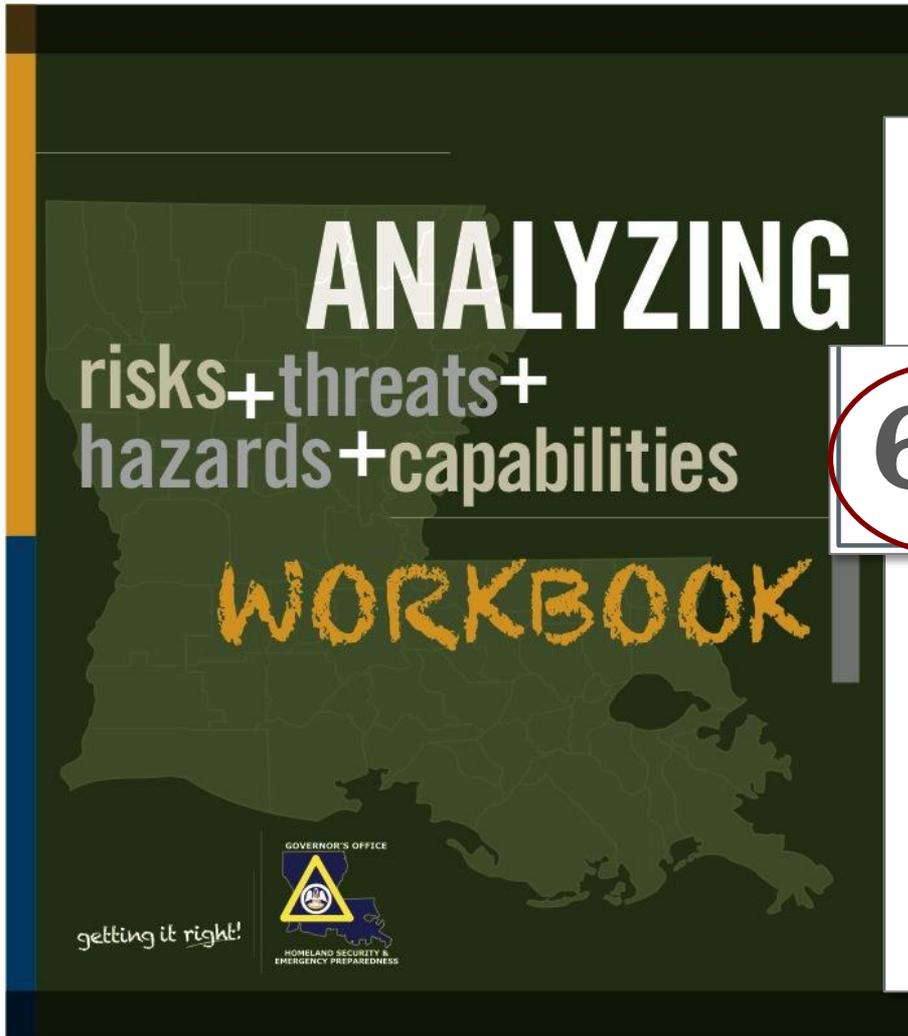
Delivering Core Capabilities



ANALYZING RISKS + THREATS +
HAZARDS + CAPABILITIES



Prepare + Prevent + Respond + Recover + Mitigate



69

ANALYZING risks + threats + hazards + capabilities

Capability Estimation

Overview + Purpose NOTES



INTRODUCTION

The National Preparedness System is an organized process that allows the whole community to coordinate its preparedness activities to achieve the National Preparedness Goal. During the Capability Estimation phase, Capability Targets established in the THIRA are examined and required resources necessary to accomplish the Targets are identified. Using this information, plans are developed, exercised and updated in order to support delivering the Core Capabilities.

Capability Estimation analyzes what resources are needed to accomplish Capability Targets identified by the U.S. Department of Homeland Security (DHS) needed collectively by the Nation to prevent, protect against, respond to and recover from incidents of National significance. Steps include:

- Identifying what resources are available.
- Determining if current levels are acceptable or insufficient.

PREPARE. PREVENT. RESPOND. RECOVER. MITIGATE.

getting it right!



69

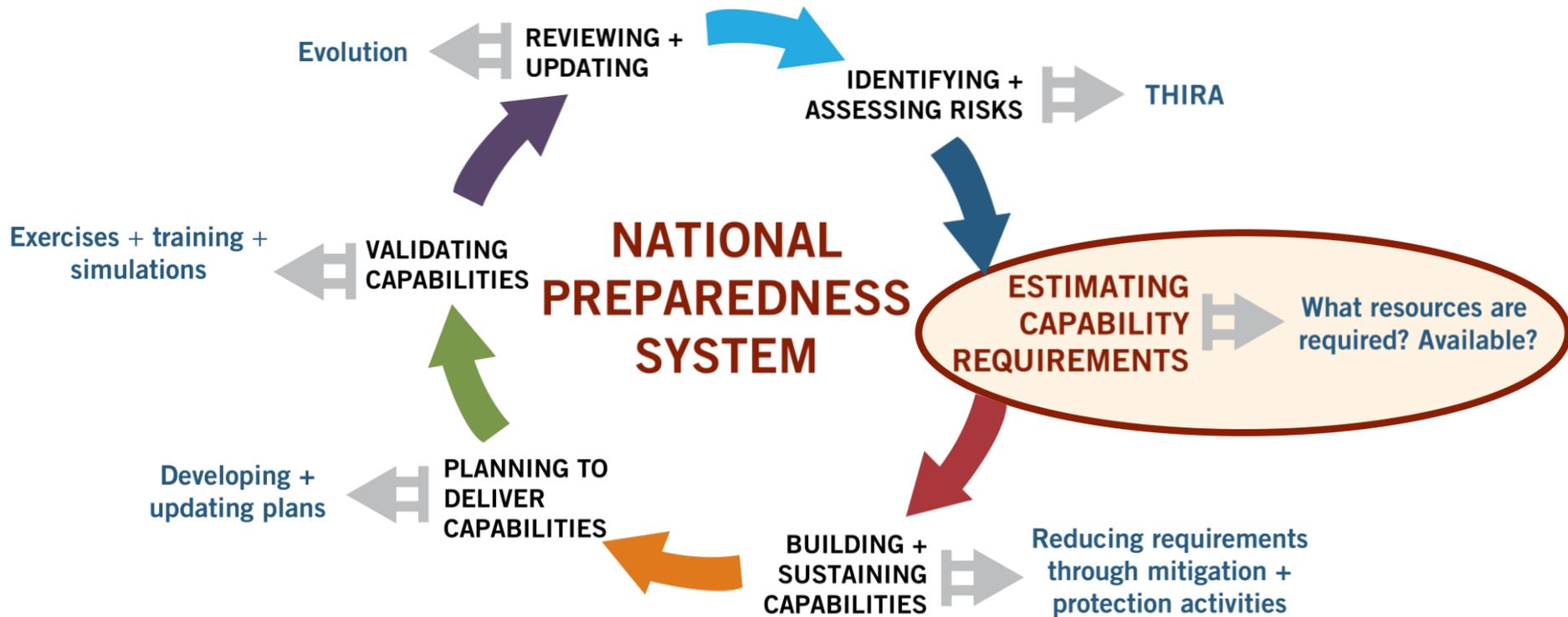


Prepare + Prevent + Respond + Recover + Mitigate

- **Capability Estimation** analyzes what resources are **needed** to accomplish **Capability Targets**.
 - Identifying what **resources** are **available**.
 - Determining if **current levels** are **acceptable** or **insufficient**.



Prepare + Prevent + Respond + Recover + Mitigate





Prepare + Prevent + Respond + Recover + Mitigate

Resources

- **Personnel + teams + facilities + equipment + supplies . . .**



Prepare + Prevent + Respond + Recover + Mitigate

Resources

- **Also includes:**

- Plans
- Training
- Systems
- Funding
- Ordinances

- Procedures
- Exercises
- Technologies
- Authorities
- Policies

- Strategies
- Programs
- Services
- Laws



Prepare + Prevent + Respond + Recover + Mitigate

3-Step Process



Prepare + Prevent + Respond + Recover + Mitigate

Capability Estimation

Step 1: Determine resource needs.

Step 2: Examine current resource levels.

Step 3: Compare current resource levels to needs.

Required
Resources

+

Current
Resources



Shortfalls
Sufficiency
Surpluses



Prepare + Prevent + Respond + Recover + Mitigate

Step 1: Determining Resource Needs

- Identify **major actions** needed to achieve Capability Target.



Step 1: Determining Resource Needs

- What **resources are needed** for each major action?
 - Plan + Organize + Equip + Train + Exercise (POETE)
 - National Incident Management System (NIMS) **typing**
 - **Emergency Management Assistance Compact (EMAC) Mission Ready Packages (MRP)**



Prepare + Prevent + Respond + Recover + Mitigate

Step 1: Determine Resource Needs

Capability Target: Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.

Capability Target: Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.



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Step 1: Determine Resource Needs

Capability:	Mass Care Services
Target:	Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.
Step 1 Required Resource:	Capability: Mass Care Services
Sheltering plan	Step 1 Required Resource
Evacuation plan	
Mutual Aid Agreement with assisting parish	

Target: Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering



Prepare + Prevent + Respond + Recover + Mitigate

Step 2: Examine Current Resource Levels

- Capability Assessment.
- **Examine** real-world incidents + assessment + planning processes + exercises.
- Results in **type + quantity + capacity** of resources **currently available**.



Prepare + Prevent + Respond + Recover + Mitigate

Step 2: Examine Current Resource Levels

Capability:	Mass Care Services		
Target:	Within 24 hours of an incident, provide evacuation from impacted area and provide adequate sheltering for up to 1,500 residents.		
Step 1 Required Resources	Step 2 Available Resources	Step 3	
Sheltering Plan	Unified Shelter Plan		
Step 2 Available Resources			
Unified Shelter Plan			
Parish and State ESF #1 Plans			
Parish and State ESF #6 Plans			



Prepare + Prevent + Respond + Recover + Mitigate

Step 3: Compare Current Resource Levels to Needs

- **Gap analysis . . .**
 - Identify sustainment + reduction + increase of resources.



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Step 3: Compare . . .

Capability:	Mass Care Services		
Target:	Within 24 hours of sheltering for up to	Step 3	tion from impacted area and provide adequate
Step 1 Required Resources		Step 2 Available Resources	Step 3
Sheltering plan		er Plan	
Evacuation plan		te ESF #1 Plans	
Mutual Aid Agreement with assisting pa			Shortfall
Family reunification plan		ate ESF #6 Plans	
Pet sheltering plan		te ESF #11 Plans	
Re-entry plan			Shortfall
		Shortfall	



Prepare + Prevent + Respond + Recover + Mitigate

Practical Application

Capability:	Provide breakfast to family on Saturday mornings
Target:	Have a plan in place to shop for groceries by Friday night

Step 1: Required Resources	<table border="1"> <tr> <td>Capability:</td> <td>Provide breakfast to family on Saturday mornings</td> </tr> </table>	Capability:	Provide breakfast to family on Saturday mornings
Capability:		Provide breakfast to family on Saturday mornings	
Grocery List			
Vehicle with appropriate fuel			
Funding			

Funding	
Vehicle with appropriate fuel and storage	2007 Silverado, 14mpg city, crew-cab with open bed



Prepare + Prevent + Respond + Recover + Mitigate

- Capability Estimation is a **simple, 3-step process**.
 - Determine what you **need** + what you **have** + **compare** the two.



Prepare + Prevent + Respond + Recover + Mitigate

- Through the SPR, **Capability Estimation** helps determine **training** + **exercise needs** as well as resources.
- **Capability Estimations** will be required from all **Parishes annually**.
- The **Parish OHSEP Director MUST** complete it **on or before April 1**.



Prepare + Prevent + Respond + Recover + Mitigate



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Prepare + Prevent + Respond + Recover + Mitigate

Questions?

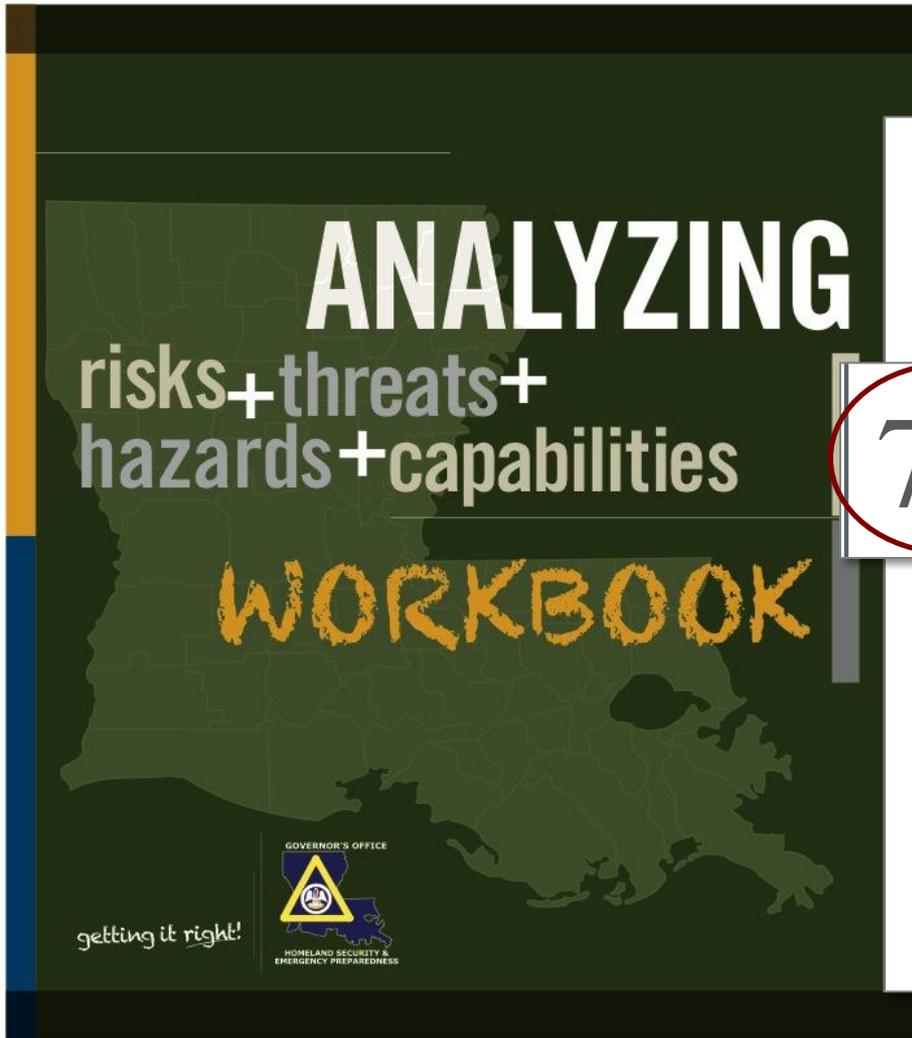


Prepare + Prevent + Respond + Recover + Mitigate

What Value Do These Products Bring To My Parish?



Prepare + Prevent + Respond + Recover + Mitigate



71

ANALYZING risks+threats+hazards+capabilities

What Value Do These Products Bring To My Parish?

How These Documents Relate To Funding Initiatives NOTES

To assess risks, threats and hazards, we can identify the capabilities we must sustain in order to build preparedness in Louisiana.

PREPARE. PREVENT. RESPOND. RECOVER. MITIGATE.

- What is our State Preparedness Approach?

getting it right!

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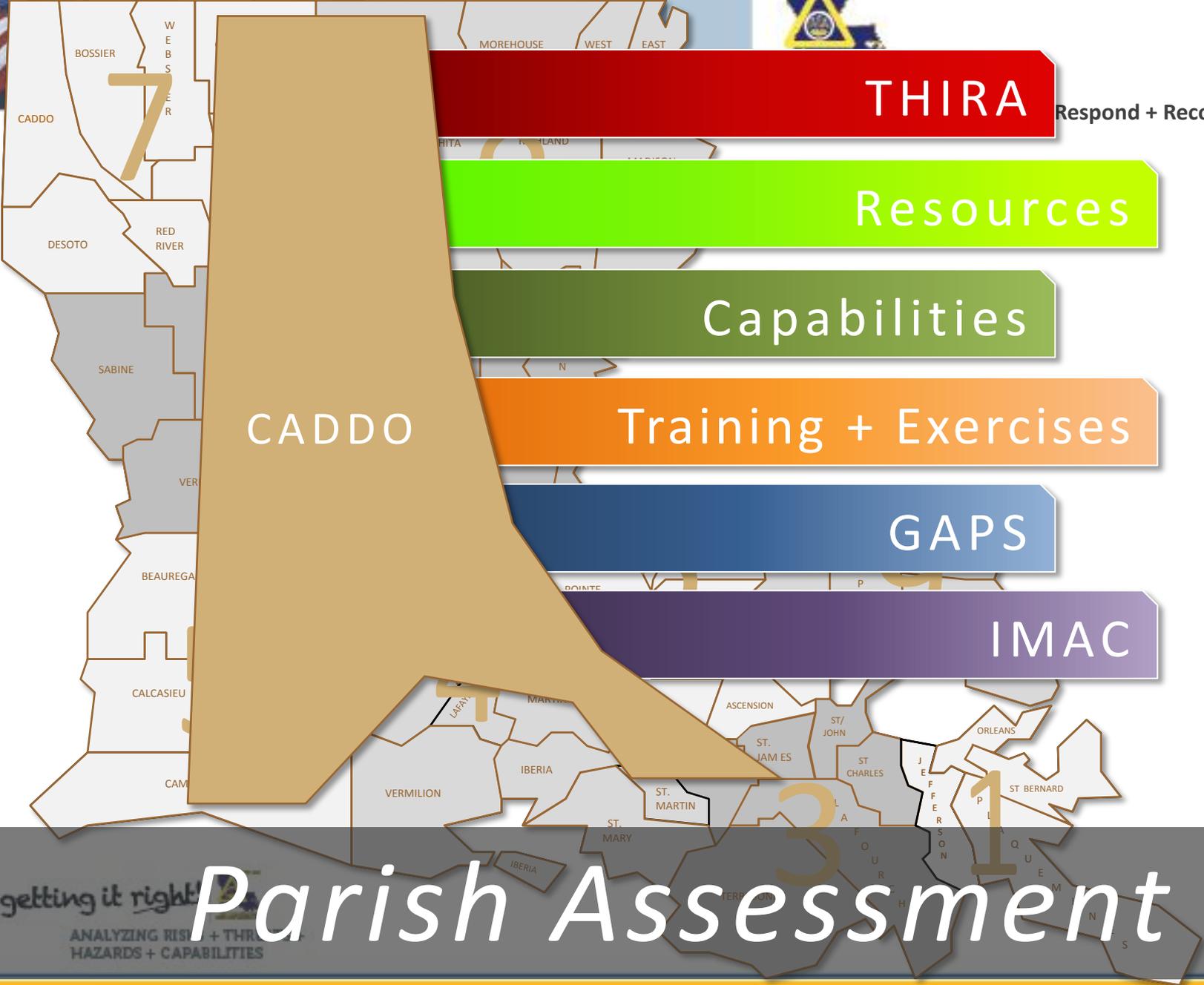
Prepare + Prevent + Respond + Recover + Mitigate

By **utilizing** all tools to assess risks + threats + hazards, we identify the **capabilities** we must sustain or direct future funding to in order to build **preparedness** in Louisiana.



Prepare + Prevent + Respond + Recover + Mitigate

State Preparedness Approach



THIRA

Respond + Recover + Mitigate

Resources

Capabilities

Training + Exercises

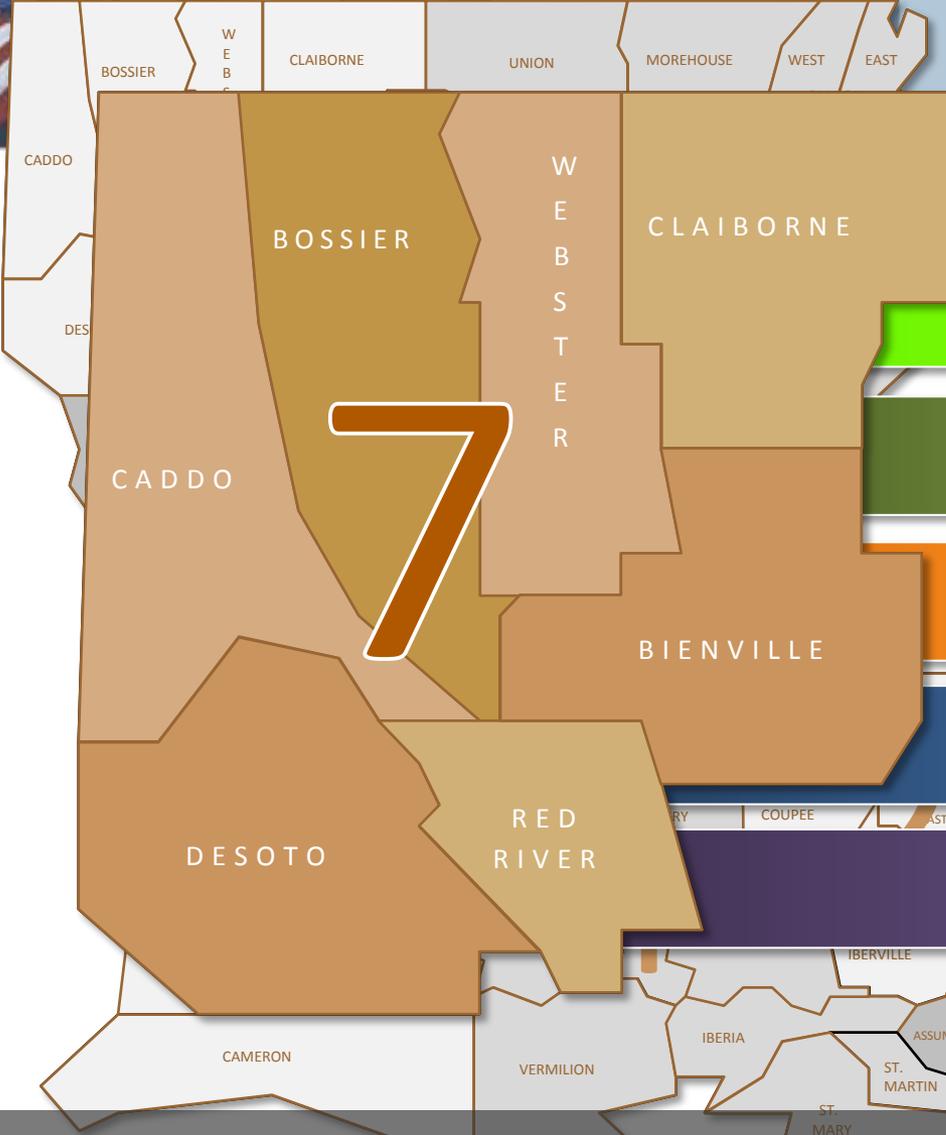
GAPS

IMAC

CADDO

getting it right
ANALYZING RISK + THREATS
HAZARDS + CAPABILITIES

Parish Assessment



7

THIRA

Recover + Mitigate

Resources

Capabilities

Training + Exercises

GAPS

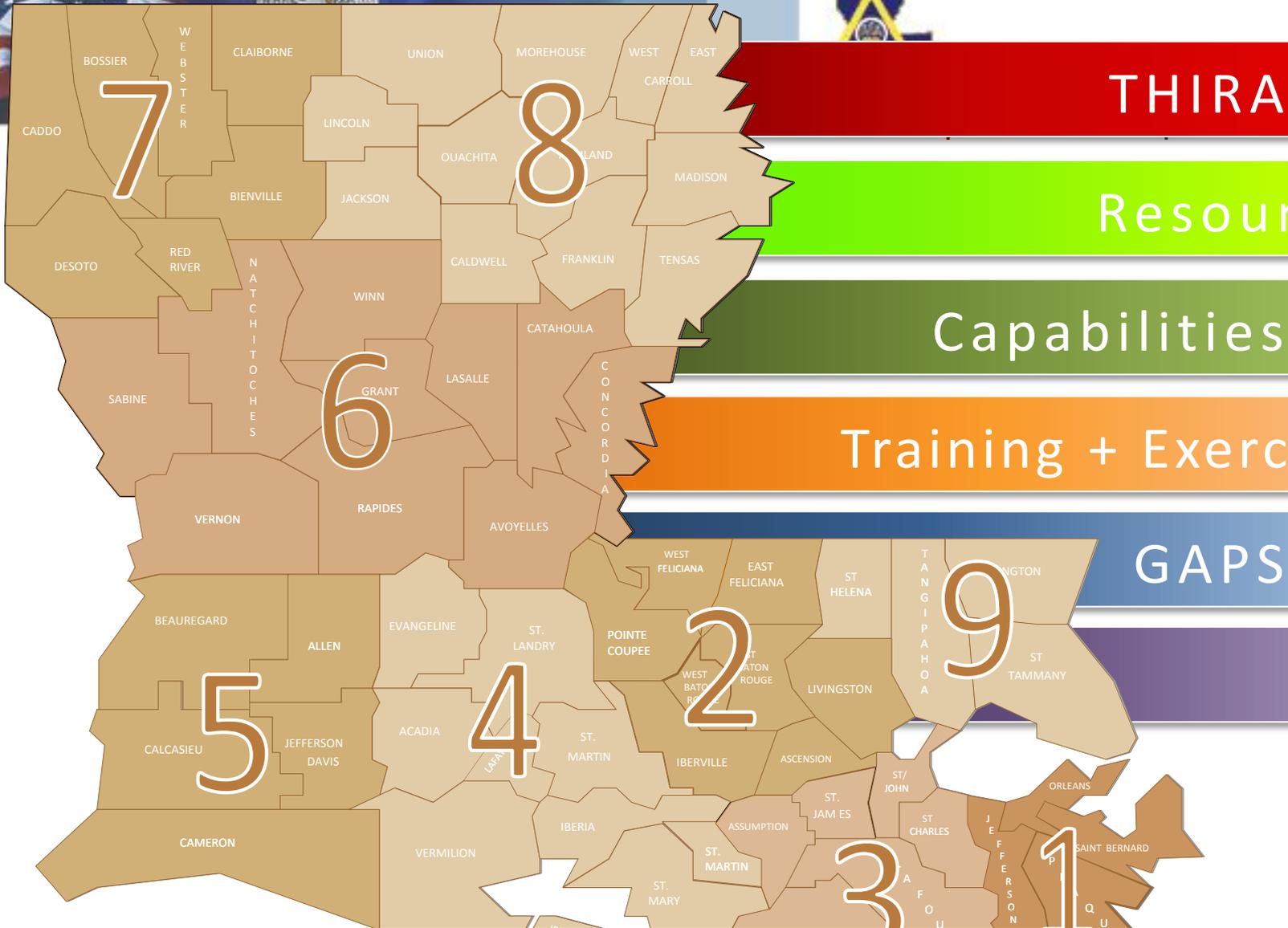
IMAC

3

1

Region Assessment

getting it right
ANALYZING RISKS + THREATS +
HAZARDS + CAPABILITIES



THIRA

Resources

Capabilities

Training + Exercises

GAPS

EMAC

Plan + Mitigate

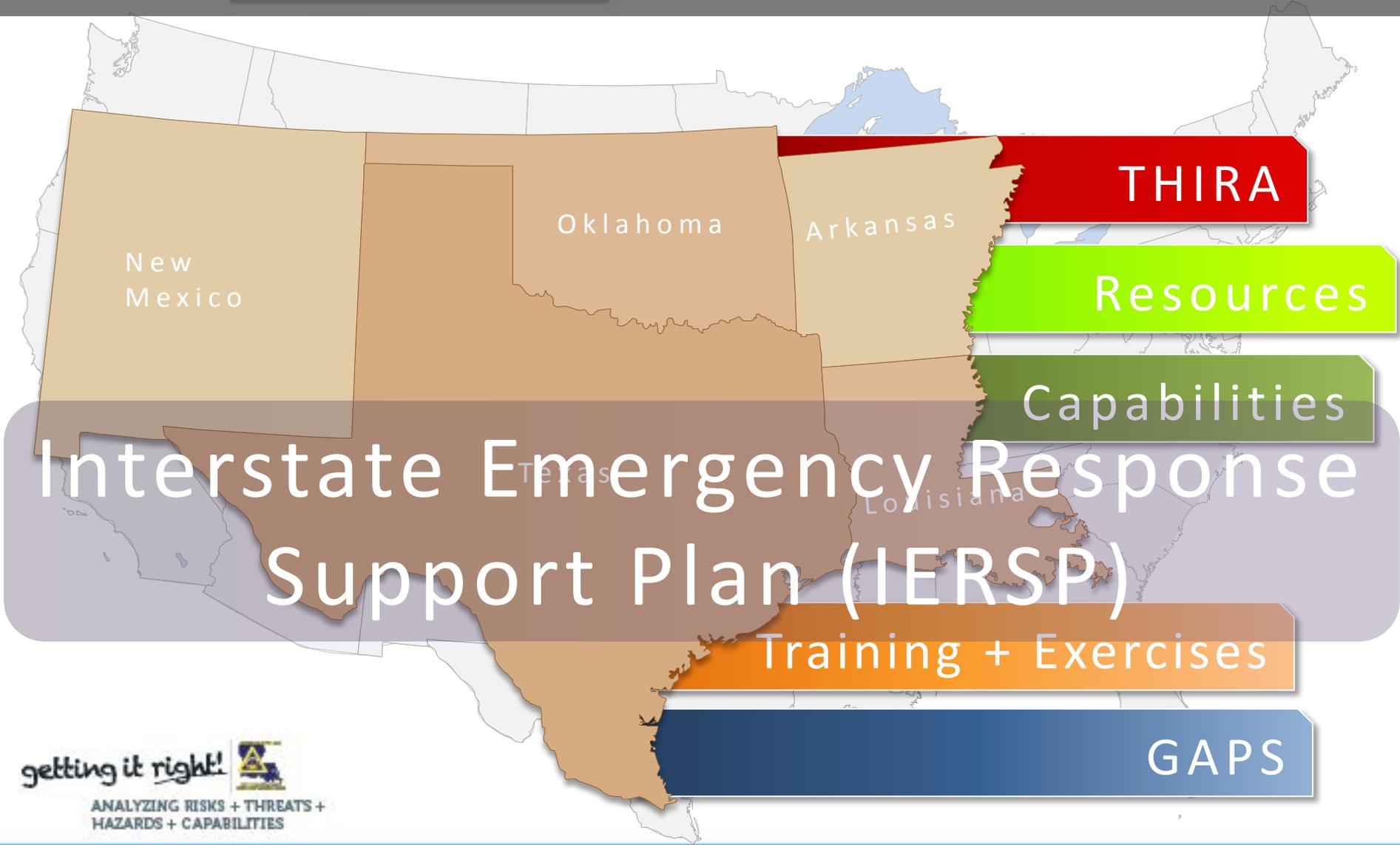
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ANALYZING RISKS + THREATS + HAZARDS + CAPABILITIES

State Assessment

FEMA Region VI

Prepare + Prevent + Respond + Recover + Mitigate



National Capabilities

Prepare + Prevent + Respond + Recover + Mitigate



National Preparedness

getting it right!



ANALYZING RISKS + THREATS +
HAZARDS + CAPABILITIES

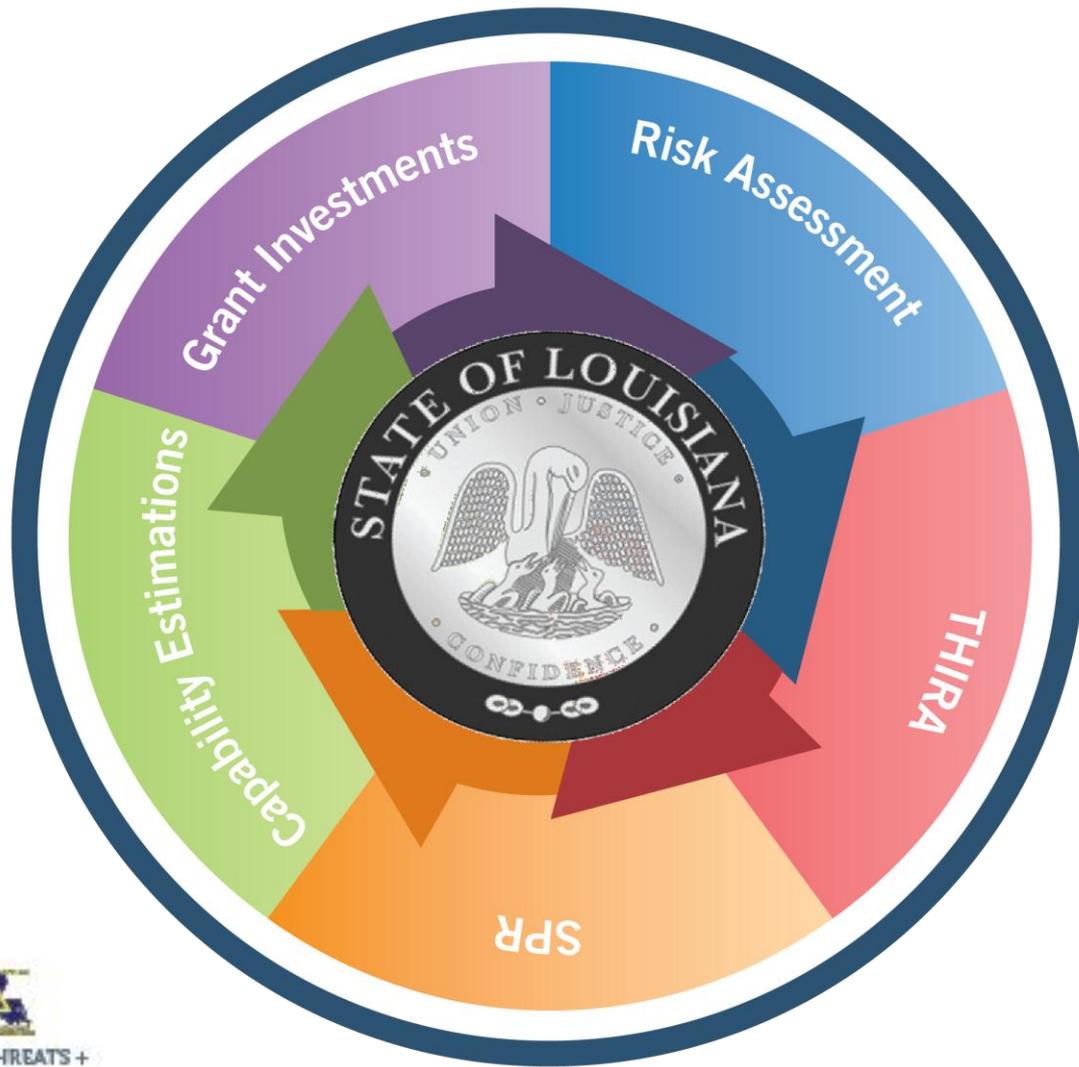


National Preparedness Goal (NPG)

- Components of the *National Preparedness Goal* (NPG):
 - Identifying + assessing **risks**.
 - Estimating **capability requirements**.
 - **Building** + **sustaining** capabilities.
 - **Planning** to **deliver** capabilities.
 - **Validating** capabilities.

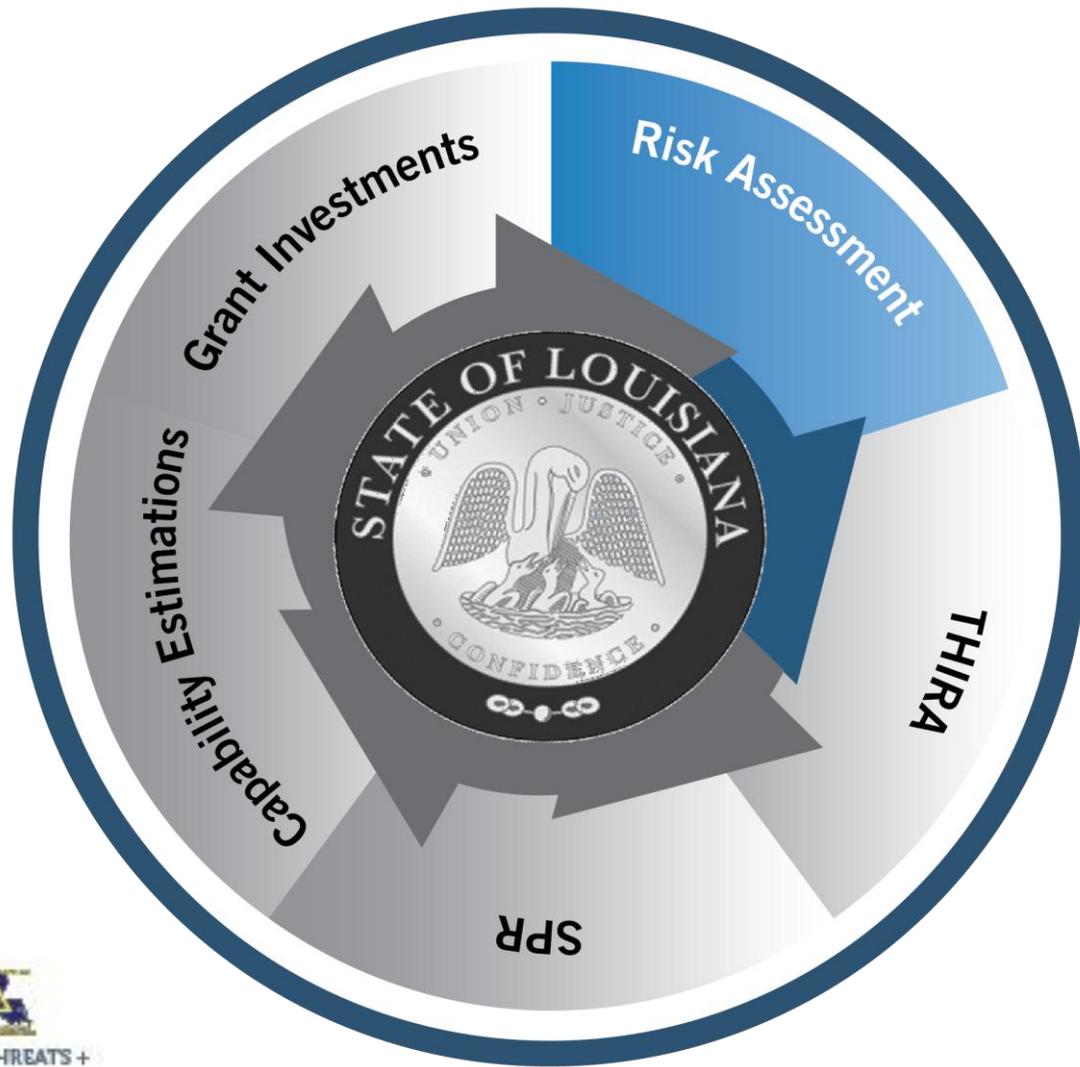


Prepare + Prevent + Respond + Recover + Mitigate



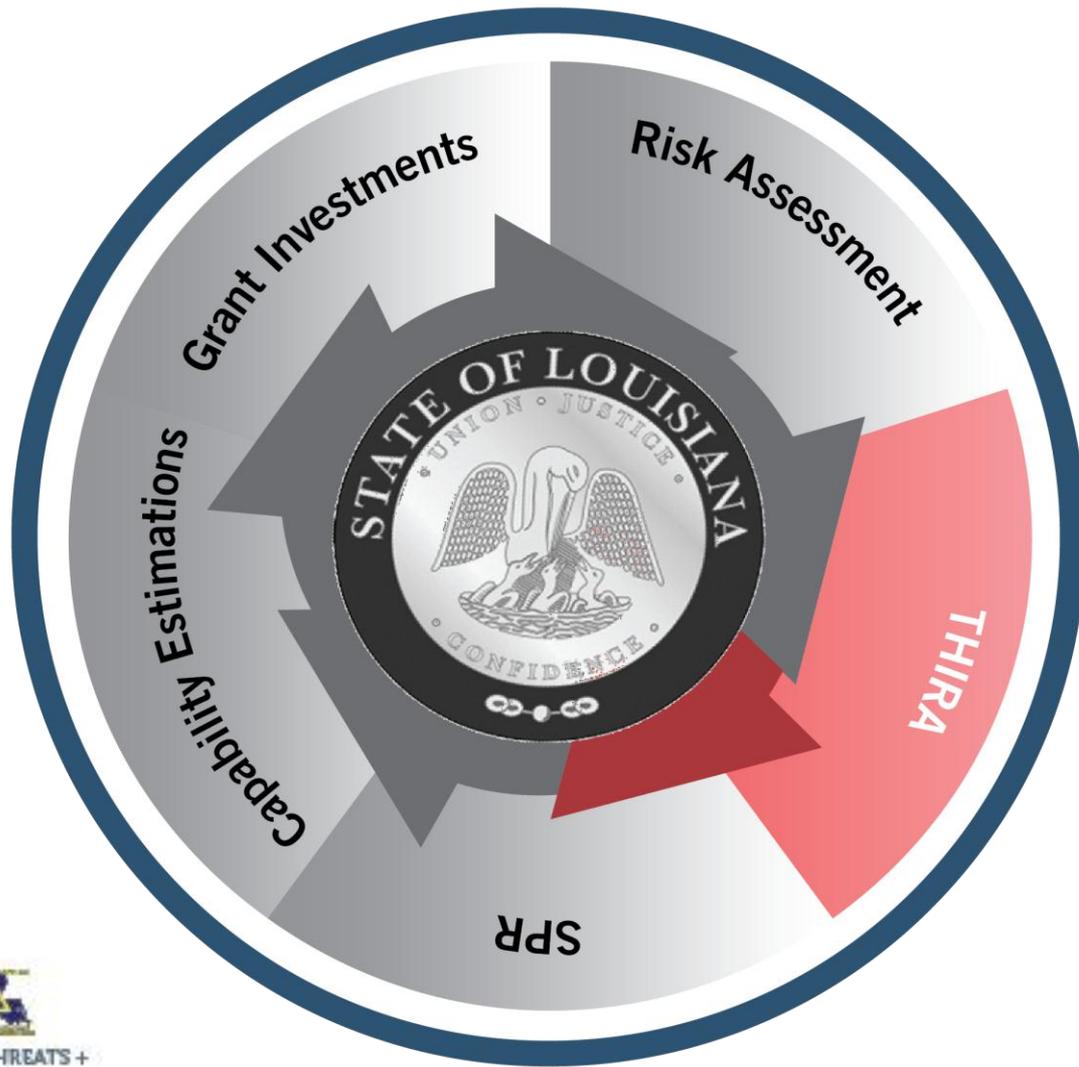


Prepare + Prevent + Respond + Recover + Mitigate



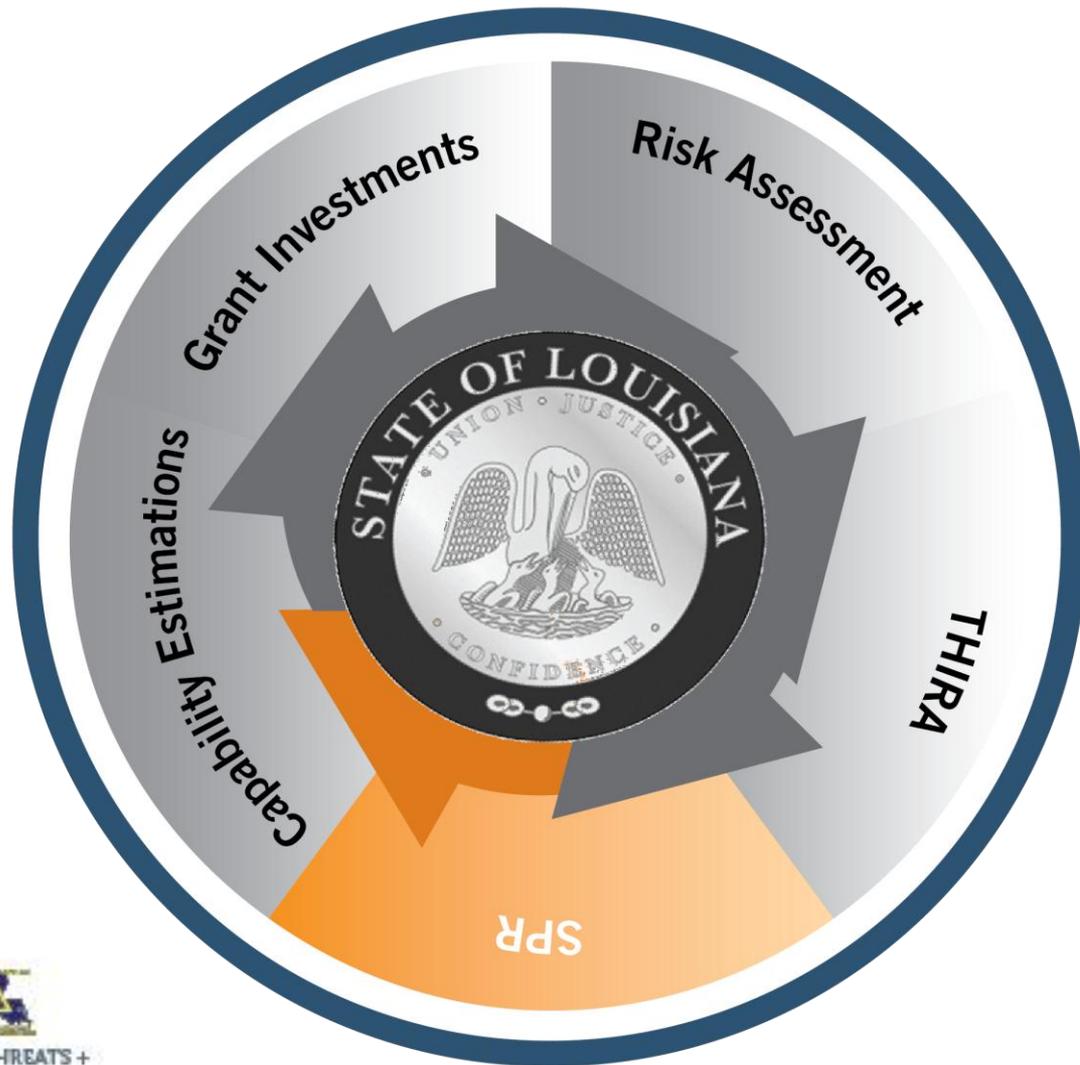


Prepare + Prevent + Respond + Recover + Mitigate



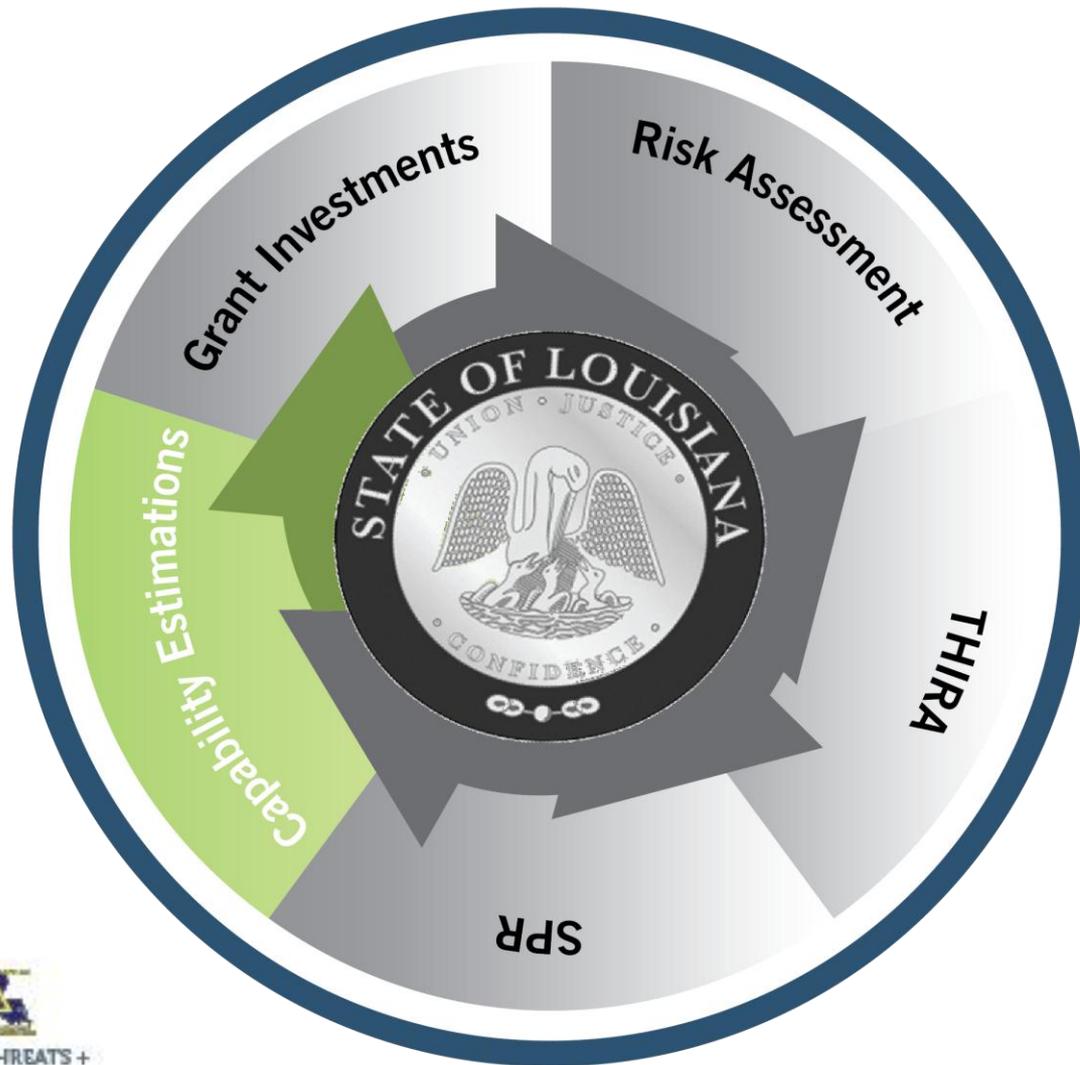


Prepare + Prevent + Respond + Recover + Mitigate



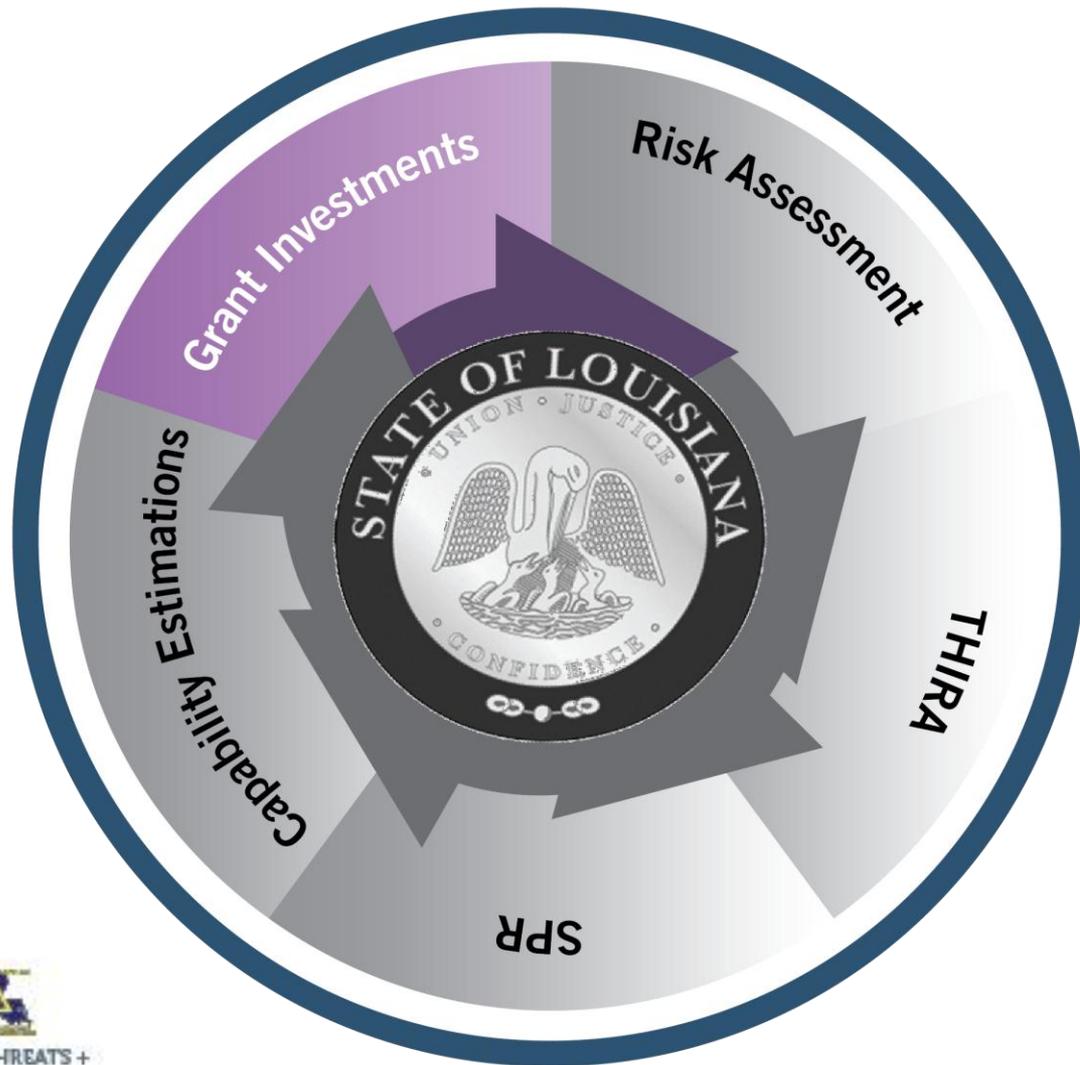


Prepare + Prevent + Respond + Recover + Mitigate



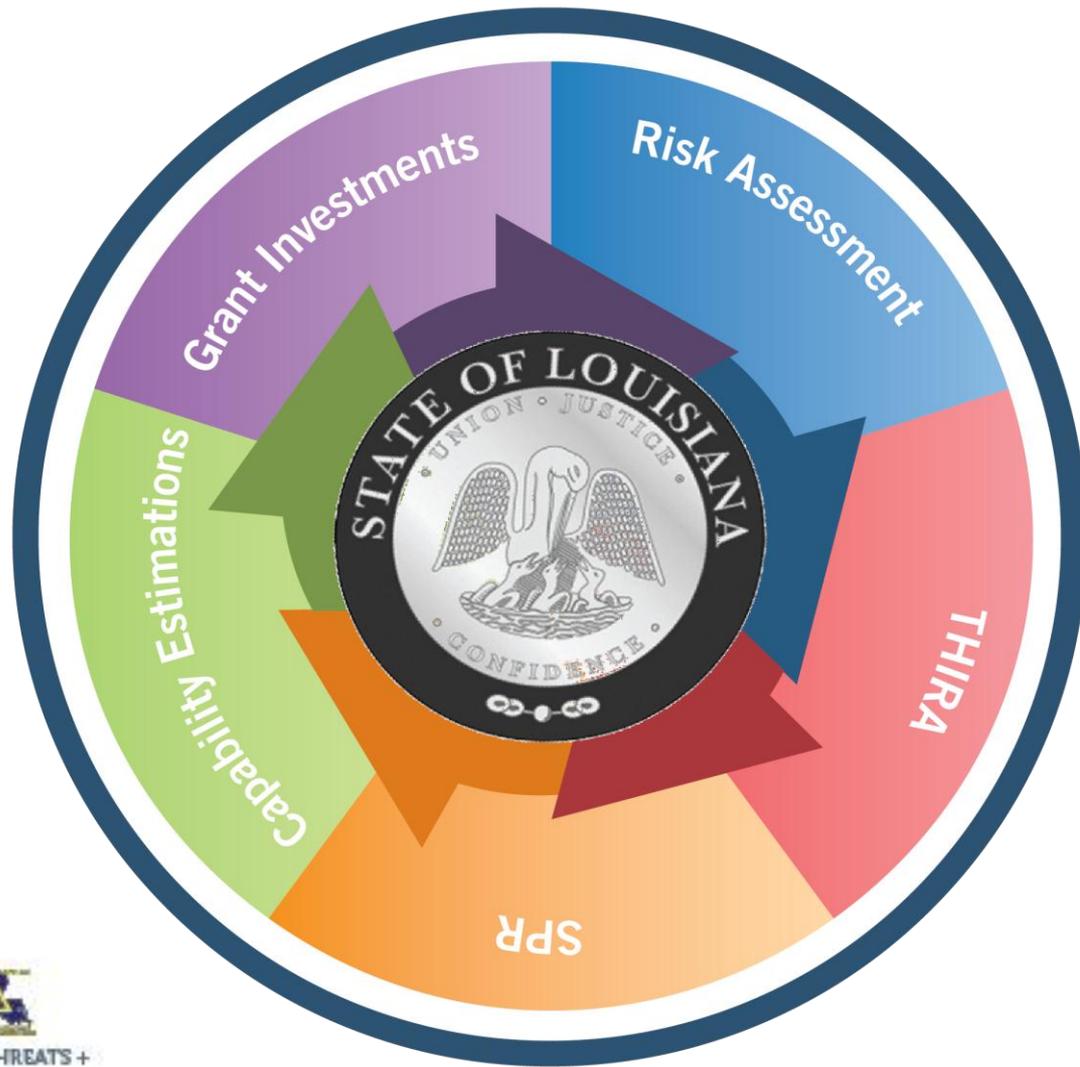


Prepare + Prevent + Respond + Recover + Mitigate





Prepare + Prevent + Respond + Recover + Mitigate





Prepare + Prevent + Respond + Recover + Mitigate

State Grant Funding Investment Justification

- A **paradigm shift** in the way **Investment Justifications** (State grant applications) are developed.



Prepare + Prevent + Respond + Recover + Mitigate

State Homeland Security Program (SHSP) Grant Requirements

- Grant investment justifications must **tie** to the following:
 - *National Preparedness Goal (NPG)*
 - *Homeland Security Strategy*
 - *Threat + Hazard Identification + Risk Assessment (THIRA)*
 - *State Preparedness Report (SPR)*



Prepare + Prevent + Respond + Recover + Mitigate

Grant Funded Projects

- GOHSEP will **only** approve and fund Parish projects that **support Desired Outcomes and Capability Targets** for each of the selected **Core Capabilities**.

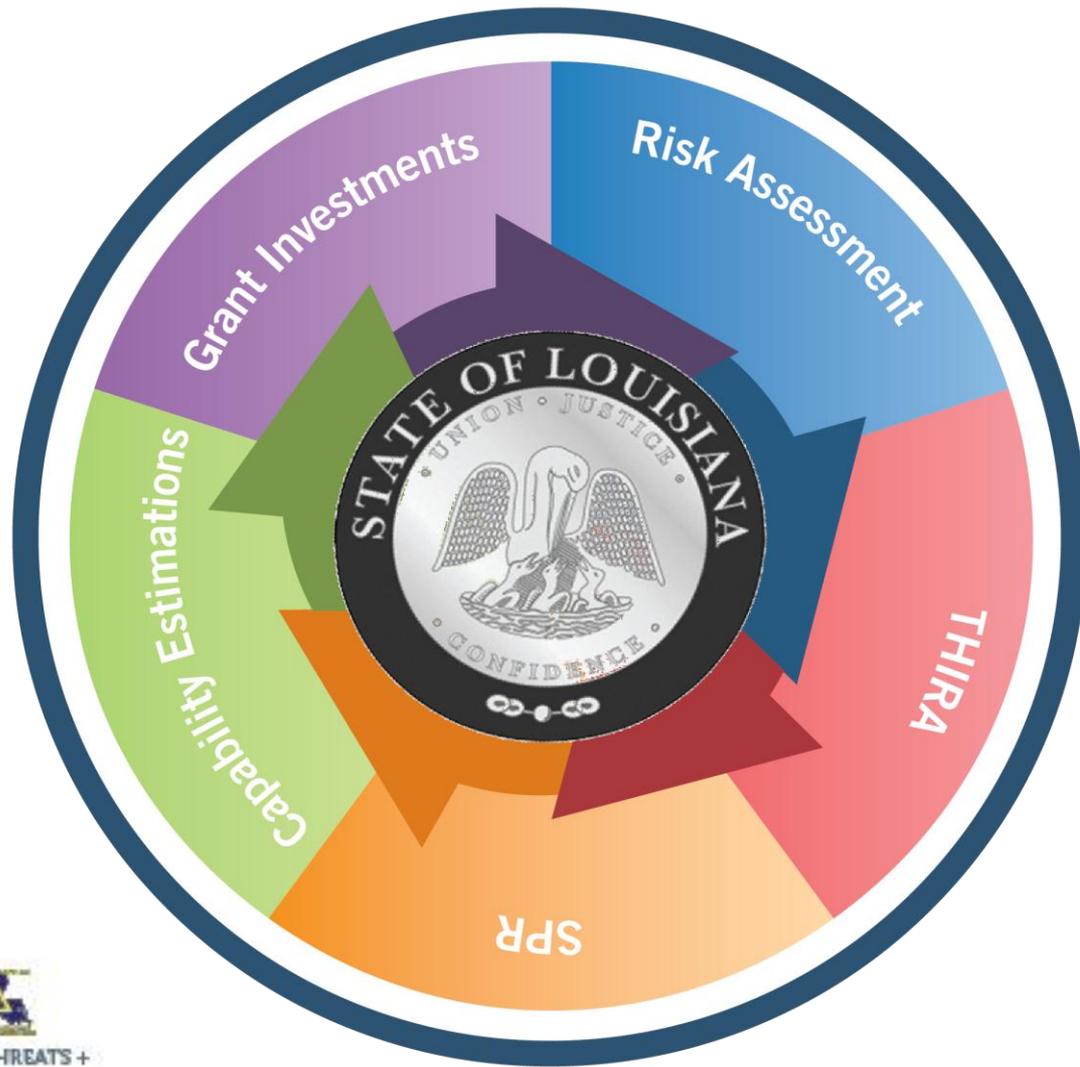


Prepare + Prevent + Respond + Recover + Mitigate

- Completion of the **Parish-level *Risk Survey*** (questionnaire) by **September 30, 2013** is extremely important to several **significant** initiatives.
- Results dictate the **capabilities** we must **sustain or direct future funding** to in order to **build preparedness** in Louisiana.
- Parish OHSEP Director **MUST** complete the **Capability Estimation on or before April 1.**



Prepare + Prevent + Respond + Recover + Mitigate





Prepare + Prevent + Respond + Recover + Mitigate



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Prepare + Prevent + Respond + Recover + Mitigate

Questions?



Prepare + Prevent + Respond + Recover + Mitigate

Lunch (1 ½ hrs)

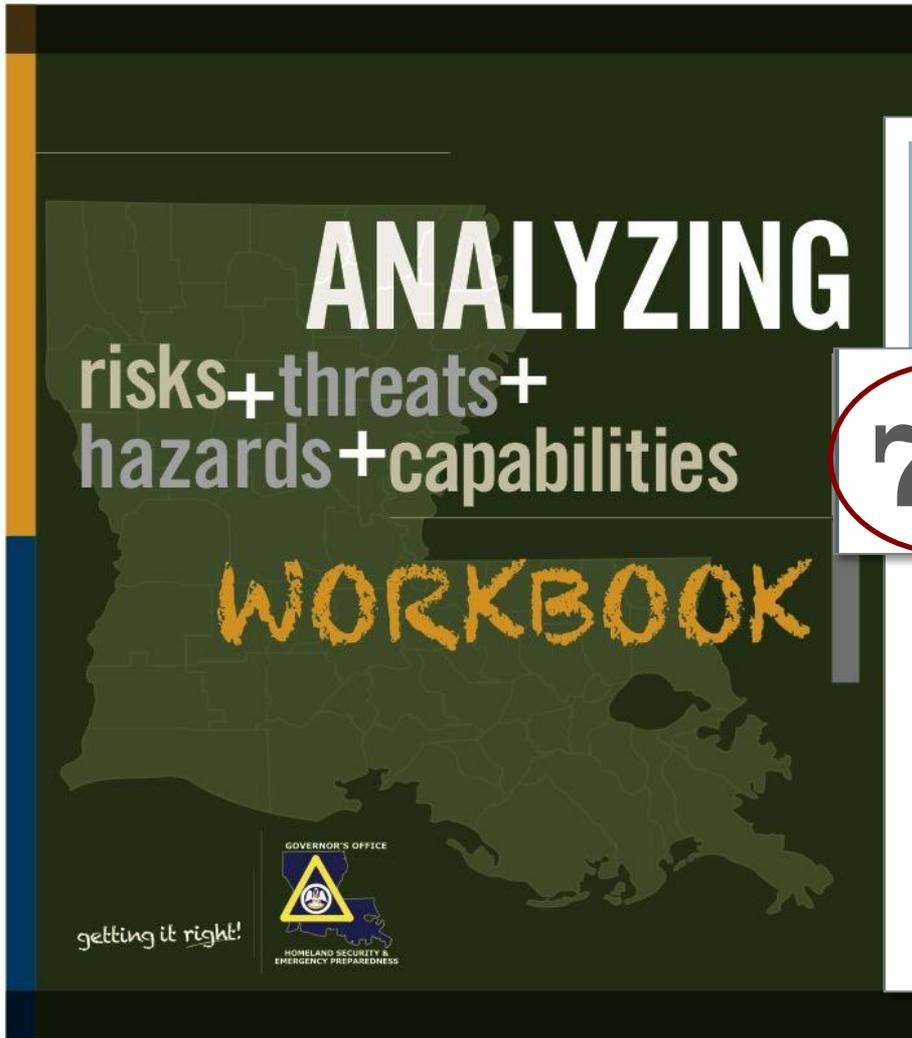


Prepare + Prevent + Respond + Recover + Mitigate

Capability Estimation Practical Application



Prepare + Prevent + Respond + Recover + Mitigate



PREPARE. PREVENT. RESPOND. RECOVER. MITIGATE.

31 Core Capabilities

Planning	Access Control + Identity Verification	Long-term Vulnerability Reduction	On-scene Security + Protection
Public Information + Warning	Cybersecurity	Risk + Disaster Resilience Assessment	Operational Communications
Operational Coordination	Physical Protective Measures	Threats + Hazard Identification	Public and Private Services + Resources
	Risk Management for Protection Programs + Activities	Critical Transportation	Public Health + Medical Services
	Supply Chain Integrity + Security	Environmental Response/Health + Safety	Situational Assessment
	Community Resilience	Fatality Management Services	Economic Recovery
		Infrastructure Systems	Health + Social Services
		Mass Care Services	Housing
		Mass Search + Rescue Operations	Natural + Cultural Resources

ANALYZING risks + threats + hazards + capabilities

73 Practical Exercise Worksheets

REHEARSAL OF CONCEPTS (ROC) DRILL IN CARVILLE.

GOHSEP has designed this exercise to assist participants in utilizing some of the basic concepts from the **Threat + Hazard Identification + Risk Assessment (THIRA)**, **State Preparedness Report (SPR)** and **Capability Assessment**. It is sometimes difficult to understand the practical application of these doctrines without a hands-on approach. Participants should leave with a clear understanding of how this doctrine can improve our **prevention, preparedness, response, mitigation and recovery** efforts in Louisiana.

The following **worksheets** are to be used for assistance in the **hands-on exercise**. Working through Step 1 of the **Capability Estimation** workshop provides participants an opportunity to gain **familiarity** with the **Capability Estimation tool** and how it correlates with the **SPR** and **THIRA**. This exercise provides an opportunity for participants to **receive Emergency Management Performance Grant (EMPG) Exercise Credit**.

getting it right!



Capabilities Estimation

- Identify required capabilities/resources
 - Identify required capabilities/resources **needed** to respond and recover from various emergency events.
- Identify capabilities/resources **gaps** within the Parish, Region or State.

Within



Prepare + Prevent + Respond + Recover + Mitigate

Practical Application

- Identify any resources **needed** for the assigned **Core Capabilities**.

ANALYZING risks + threats +			
CAPABILITY	Operational Communications		
DESIRED OUTCOME	Sustain and enhance all voice and data communications be as they activate and deploy forward, whether mobile or fixed, affected communities in support of operations, security and awareness.		
TARGET	Strengthen the capability to establish communication in in have experienced a disruption of communication services		
STATE PREPAREDNESS REPORT (SPR) TOTALS (1 – 6			
PLANNING	ORGANIZATION	EQUIPMENT	TRAINING

Operational Communications

Sustain and enhance all **voice and data communications** be as they activate and deploy forward, whether mobile or fixed,



Prepare + Prevent + Respond + Recover + Mitigate

Practical Application

- Resources include **personnel + teams + facilities + equipment + supplies** and:

- Plans
- Training
- Systems
- Funding
- Ordinances

- Procedures
- Exercises
- Technologies
- Authorities
- Policies

- Strategies
- Programs
- Services
- Laws



Prepare + Prevent + Respond + Recover + Mitigate

Benefits

- **Familiarity** with the tool.
- **EMPG Exercise Credit:**
 - **Comprehensive *After Action Report*** will be available after all workshop deliveries.



Prepare + Prevent + Respond + Recover + Mitigate

Breakouts

- **Group 1:** Environmental Response/Health + Safety; Operational Communications
 - John Callahan
- **Group 2:** Planning; Operational Coordination
 - Amy Dawson
- **Group 3:** Public Information + Warning; Mass Search + Rescue Operations
 - Katie McCoy
- **Group 4:** Intelligence + Information Sharing; Public + Private Services + Resources
 - Ric Moore
- **Group 5:** Threats + Hazard Identification; On-Scene Security + Protection
 - Scott Van Keuren



Prepare + Prevent + Respond + Recover + Mitigate

Breakouts

- **Cross-discipline.**
- **Multi-jurisdictional.**
- May need to shuffle.
- Report out at **3pm.**





Prepare + Prevent + Respond + Recover + Mitigate

Breakout



Prepare + Prevent + Respond + Recover + Mitigate

Report Out



Prepare + Prevent + Respond + Recover + Mitigate

Call-to-Action



Prepare + Prevent + Respond + Recover + Mitigate

September 30, 2013

Risk Survey Due (from Parish OHSEPs to GOHSEP)

ACTIVITIES



September 30, 2013

NIMS Roll Up Due (from GOHSEP to DHS)



January - April 1, 2014
Annual Capabilities Report Due (Parishes to GOHSEP)

June 2013
Develop + Finalize Investment Justification for *Annual Homeland Security (HLS) Application* (First Response Working Group + GOHSEP)

January - April 1, 2014
Annual Capabilities Report Due (Parishes to GOHSEP)

March 31, 2014
Project Applications Due (Parishes to GOHSEP)

April 1, 2013
Address Report (SPR) (HSEEP to DHS)

February 28, 2015
Deadline for Parishes to Expend 2013 HLS Grants (Remaining Funds De-Obligated)

June 2013
Submit *Annual HLS Application* (from GOHSEP to Federal Government)

GOHSEP to DHS

+ **Risk Assessment (IHHAA)**
Due (from GOHSEP to DHS)



Prepare + Prevent + Respond + Recover + Mitigate

getting it right!



Analyzing Risks + Threats + Hazards + Capabilities

Workshop